

GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: August 22, 2004, 09:28:50 / Search time 32 seconds  
(without alignments)  
735.670 Million cell updates/sec

Title: US-09-905-589a-2

Sequence: 1 MKKISNHSLSRVAKAYPLG.....ALGAIHYIDSLNRKSPAS 456

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%  
Listing first 45 summaries

Database:

Issued Parents AA:  
1: /cgn2\_6/prodata/2/1aa/5A\_COMB.pep:\*  
2: /cgn2\_6/prodata/2/1aa/5B\_COMB.pep:\*  
3: /cgn2\_6/prodata/2/1aa/5A\_COMB.pep:\*  
4: /cgn2\_6/prodata/2/1aa/5B\_COMB.pep:\*  
5: /cgn2\_6/prodata/2/1aa/5A\_COMB.pep:\*  
6: /cgn2\_6/prodata/2/1aa/5B\_COMB.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	2364	100.0	456	US-09-240-639-2	Sequence 56, Appl
2	2364	100.0	484	US-09-608-285A-2	Sequence 39, Appl
3	2364	100.0	484	US-09-370-265-27	Sequence 8, Appl
4	2364	100.0	484	US-09-557-800C-27	Sequence 19, Appl
5	2364	100.0	484	US-09-370-625A-27	Sequence 2, Appl
6	2003	84.7	471	US-09-608-285A-60	Sequence 27, Appl
7	999	42.3	428	US-09-608-285A-3	Sequence 60, Appl
8	999	42.3	428	US-09-608-285A-5	Sequence 3, Appl
9	999	42.3	428	US-09-240-639-6	Sequence 5, Appl
10	999	42.3	428	US-09-240-639-9	Sequence 6, Appl
11	999	42.3	428	US-09-350-836B-3	Sequence 9, Appl
12	999	42.3	428	US-09-350-836B-5	Sequence 5, Appl
13	999	42.3	428	US-09-370-265-3	Sequence 5, Appl
14	999	42.3	428	US-09-370-265-5	Sequence 5, Appl
15	999	42.3	428	US-09-557-800C-3	Sequence 5, Appl
16	999	42.3	428	US-09-557-800C-5	Sequence 5, Appl
17	999	42.3	428	US-09-370-625A-3	Sequence 5, Appl
18	999	42.3	428	US-09-370-625A-5	Sequence 5, Appl
19	999	42.3	428	US-09-608-285A-7	Sequence 7, Appl
20	996	42.1	428	US-09-350-836B-7	Sequence 7, Appl
21	996	42.1	428	US-09-370-265-7	Sequence 7, Appl
22	996	42.1	428	US-09-557-800C-7	Sequence 7, Appl
23	996	42.1	428	US-09-370-625A-7	Sequence 7, Appl
24	909	38.5	405	US-09-608-285A-25	Sequence 25, Appl
25	909	38.5	405	US-09-370-265-25	Sequence 25, Appl
26	909	38.5	405	US-09-557-800C-25	Sequence 25, Appl
27	909	38.5	405	US-09-370-625A-25	Sequence 25, Appl

28	909	38.5	465	US-09-557-800C-56	Sequence 56, Appl
29	909	38.5	465	US-09-370-625A-39	Sequence 39, Appl
30	904	38.2	465	US-09-240-639-8	Sequence 8, Appl
31	525.5	22.2	467	US-09-129-112-19	Sequence 19, Appl
32	506	21.4	462	US-09-129-112-2	Sequence 2, Appl
33	501	21.2	459	US-09-129-112-9	Sequence 9, Appl
34	485	20.5	454	US-09-240-639-11	Sequence 11, Appl
35	466	19.7	473	US-09-240-639-12	Sequence 12, Appl
36	463	19.6	462	US-09-129-112-15	Sequence 15, Appl
37	442.5	18.7	455	US-09-240-639-10	Sequence 10, Appl
38	314.5	13.3	529	US-09-240-639-4	Sequence 4, Appl
39	285.5	12.1	502	US-09-557-800C-55	Sequence 55, Appl
40	285.5	12.1	502	US-09-370-625A-38	Sequence 38, Appl
41	285.5	12.1	510	US-08-930-921-1	Sequence 1, Appl
42	216.5	9.2	148	US-09-240-639-17	Sequence 17, Appl
43	184	7.8	150	US-09-240-639-16	Sequence 16, Appl
44	183.5	7.8	154	US-09-240-639-14	Sequence 14, Appl
45	175.5	7.4	153	US-09-240-639-15	Sequence 15, Appl

## ALIGNMENTS

RESULT 1  
US-09-240-639-2  
Sequence 2, Application US/09240639  
Patent No. 6350447  
GENERAL INFORMATION:  
APPLICANT: Chadwick, Brian Paul  
APPLICANT: Frischaut, Anna-Maria  
TITLE OF INVENTION: METHODS AND COMPOSITIONS RELATING TO CD39-LIKE  
FILE REFERENCE: 9598-066  
CURRENT APPLICATION NUMBER: US/09/240,639  
CURRENT FILING DATE: 1998-01-29  
NUMBER OF SEQ ID NOS: 29  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 2  
LENGTH: 456  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-240-639-2

Query Match  
Best Local Similarity 100.0%; Score 2364; DB 4; Length 456;  
Pred. No. 5.8e-240; Indels 0; Gaps 0;  
Matches 456; Conservative 0; Mismatches 0

Query Match 100.0%; Score 2364; DB 4; Length 456;			
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Matches	456;	Conservative	0; Mismatches 0; Indels 0; Gaps 0;
QY	1	MRKISNHSLSRVAKAYVPLGCVGFYIVAYIKWRATATGAFPSITRAFGARWGQAH	60
DB	1	MRKISNHSLSRVAKAYVPLGCVGFYIVAYIKWRATATGAFPSITRAFGARWGQAH	60
QY	61	SLPLGAADGHEVFGIMFDAGSTGRVHPQFTPPRETPLTTHETPFKAVRPGSAYADD	120
DB	61	SLPLGAADGHEVFGIMFDAGSTGRVHPQFTPPRETPLTTHETPFKAVRPGSAYADD	120
QY	121	VEKSAOGIRELLDVAKODIPDFWKPAPLVYIKATAGLRLPGBKAOKLQKVEFKASP	180
DB	121	VEKSAOGIRELLDVAKODIPDFWKPATPLVYIKATAGLRLPGBKAOKLQKVEFKASP	180
QY	181	FLVGDGCVSINMGDEGVSAWITINFLGSLKTPGGSSVGLMDGGSTQIAFLPRVGT	240
DB	181	FLVGDGCVSINMGDEGVSAWITINFLGSLKTPGGSSVGLMDGGSTQIAFLPRVGT	240
QY	241	LOASPPGYLTALRMFNRTYKLSYSYVGLGLMSARLALIGVEGPAKDGKELVSPCLSP	300
DB	241	LOASPPGYLTALRMFNRTYKLSYSYVGLGLMSARLALIGVEGPAKDGKELVSPCLSP	300
QY	301	SPKGEWEHAETVYRVSQGAASLHELCAAVSEVLOQRVHRTBEVKAVDYAFASYYYDL	360
DB	301	SPKGEWEHAETVYRVSQGAASLHELCAAVSEVLOQRVHRTBEVKAVDYAFASYYYDL	360
QY	361	AAGVGLIAEKGGKSLVVDGFEIYAKVCRLETQPOSSPFCMDLTYSLLSLOEFGFRS	420

Db 361 AAGVGLIDAEKGSLLVGDPEIAAKYVCRTLETPOQSPSCMDLTYVSLILOEFGFPRS 420  
QY 421 KVLKTRKIDNVTSMALGAIFFHYIDSLNRKSPAS 456  
Db 421 KVLKTRKIDNVTSMALGAIFFHYIDSLNRKSPAS 456

## RESULT 2

US-09-608-285A-27  
Sequence 27, Application US/09608285A  
Patent No. 6335013  
GENERAL INFORMATION:  
APPLICANT: Ford, John  
APPLICANT: Muleto, Julio  
APPLICANT: Yemag, George  
TITLE OF INVENTION: METHODS AND MATERIALS RELATING TO CD39-LIKE  
FILE REFERENCE: 28110/36570  
CURRENT APPLICATION NUMBER: US/09/608,285A  
PRIOR FILING DATE: 2000-06-30  
PRIOR APPLICATION NUMBER: 09/583,231  
PRIOR FILING DATE: 2000-05-26  
PRIOR APPLICATION NUMBER: 09/557,800  
PRIOR FILING DATE: 2000-04-25  
PRIOR APPLICATION NUMBER: 09/481,238  
PRIOR FILING DATE: 2000-01-11  
PRIOR APPLICATION NUMBER: 09/370,265  
PRIOR FILING DATE: 1999-08-09  
PRIOR APPLICATION NUMBER: PCT/US99/16180  
PRIOR FILING DATE: 1999-07-16  
PRIOR APPLICATION NUMBER: 09/350,836  
PRIOR FILING DATE: 1999-07-09  
PRIOR APPLICATION NUMBER: 09/273,447  
PRIOR FILING DATE: 1999-03-19  
PRIOR APPLICATION NUMBER: 09/244,444  
PRIOR FILING DATE: 1999-02-04  
PRIOR APPLICATION NUMBER: 09/122,449  
PRIOR FILING DATE: 1998-07-24  
PRIOR APPLICATION NUMBER: 09/118,205  
PRIOR FILING DATE: 1998-07-16  
NUMBER OF SEQ ID NOS: 60  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 27  
LENGTH: 484  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-608-285A-27

Query Match 100.0%; Score 2364; DB 4; Length 484;  
Best Local Similarity 100.0%; Pred. No. 6, 4e-240; Indels 0; Gaps 0;  
Matches 456; Conservative 0; Mismatches 0;

QY 1 MRKISNHSRLRAKVAAPYPLGICGVFIYVAYIKMHRATATQAFSSITRAAPGARWGOAH 60  
Db 29 MRKISNHSRLRAKVAAPYPLGICGVFIYVAYIKMHRATATQAFSSITRAAPGARWGOAH 88  
QY 61 SPLGTADGHEVFGYIMFDAGSTGTRVHVQFTRPREPTTLTHEFPKAVKGLSAVAD 120  
Db 89 SPLGTADGHEVFGYIMFDAGSTGTRVHVQFTRPREPTTLTHEFPKAVKGLSAVAD 148  
QY 121 VESAQGIREFLDVAKODIPEDFWKATPLVKATAGRLPGKAKOYLQKVEVFKASP 180  
Db 149 VESAQGIREFLDVAKODIPEDFWKATPLVKATAGRLPGKAKOYLQKVEVFKASP 208  
QY 181 FLVDDCVSINGTDEGSAMITINFLTGLSKTPGSSVGMMDLGGGSTQIAFLPVEGT 240  
Db 209 FLVDDCVSINGTDEGSAMITINFLTGLSKTPGSSVGMMDLGGGSTQIAFLPVEGT 268  
QY 241 LQASPPGYLTALRMFNRTYLYSYSLGGLMSARLALIGVGGOPAKGKELVSPCLSP 300  
Db 269 LQASPPGYLTALRMFNRTYLYSYSLGGLMSARLALIGVGGOPAKGKELVSPCLSP 328  
QY 301 SFKGEWEHAETVTVVSGQKAAASLHELCAARVSEVLQNRVHRTBEVAVDFYAFSYTYDL 360

Db 329 SFKGEWEHAETVTVVSGQKAAASLHELCAARVSEVLQNRVHRTBEVAVDFYAFSYTYDL 368  
QY 361 AAGVGLIDAEKGSLLVGDPEIAAKYVCRTLETPOQSPSCMDLTYVSLILOEFGFPRS 420  
Db 369 AAGVGLIDAEKGSLLVGDPEIAAKYVCRTLETPOQSPSCMDLTYVSLILOEFGFPRS 448  
QY 421 KVLKTRKIDNVTSMALGAIFFHYIDSLNRKSPAS 456  
Db 449 KVLKTRKIDNVTSMALGAIFFHYIDSLNRKSPAS 484

## RESULT 3

US-09-370-265-27  
Sequence 27, Application US/09370265  
Patent No. 6447771  
GENERAL INFORMATION:  
APPLICANT: Ford, John  
APPLICANT: Muleto, Julio  
TITLE OF INVENTION: METHODS AND MATERIALS RELATING TO NOVEL CD39-LIKE  
FILE REFERENCE: 28111/35908  
CURRENT APPLICATION NUMBER: US/09/370,265  
PRIOR FILING DATE: 1999-08-09  
PRIOR APPLICATION NUMBER: PCT/US99/16180  
PRIOR FILING DATE: 1999-07-16  
PRIOR APPLICATION NUMBER: 09/350,836  
PRIOR FILING DATE: 1999-07-09  
PRIOR APPLICATION NUMBER: 09/273,447  
PRIOR FILING DATE: 1999-03-19  
PRIOR APPLICATION NUMBER: 09/244,444  
PRIOR FILING DATE: 1999-02-04  
PRIOR APPLICATION NUMBER: 09/122,449  
PRIOR FILING DATE: 1998-07-24  
PRIOR APPLICATION NUMBER: 09/118,205  
PRIOR FILING DATE: 1998-07-16  
NUMBER OF SEQ ID NOS: 37  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 27  
LENGTH: 484  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-370-265-27

Query Match 100.0%; Score 2364; DB 4; Length 484;  
Best Local Similarity 100.0%; Pred. No. 6, 4e-240; Indels 0; Gaps 0;  
Matches 456; Conservative 0; Mismatches 0;

QY 1 MRKISNHSRLRAKVAAPYPLGICGVFIYVAYIKMHRATATQAFSSITRAAPGARWGOAH 60  
Db 29 MRKISNHSRLRAKVAAPYPLGICGVFIYVAYIKMHRATATQAFSSITRAAPGARWGOAH 88  
QY 61 SPLGTADGHEVFGYIMFDAGSTGTRVHVQFTRPREPTTLTHEFPKAVKGLSAVAD 120  
Db 89 SPLGTADGHEVFGYIMFDAGSTGTRVHVQFTRPREPTTLTHEFPKAVKGLSAVAD 148  
QY 121 VESAQGIREFLDVAKODIPEDFWKATPLVKATAGRLPGKAKOYLQKVEVFKASP 180  
Db 149 VESAQGIREFLDVAKODIPEDFWKATPLVKATAGRLPGKAKOYLQKVEVFKASP 208  
QY 181 FLVDDCVSINGTDEGSAMITINFLTGLSKTPGSSVGMMDLGGGSTQIAFLPVEGT 240  
Db 209 FLVDDCVSINGTDEGSAMITINFLTGLSKTPGSSVGMMDLGGGSTQIAFLPVEGT 268  
QY 241 LQASPPGYLTALRMFNRTYLYSYSLGGLMSARLALIGVGGOPAKGKELVSPCLSP 300  
Db 269 LQASPPGYLTALRMFNRTYLYSYSLGGLMSARLALIGVGGOPAKGKELVSPCLSP 328  
QY 301 SFKGEWEHAETVTVVSGQKAAASLHELCAARVSEVLQNRVHRTBEVAVDFYAFSYTYDL 360  
Db 329 SFKGEWEHAETVTVVSGQKAAASLHELCAARVSEVLQNRVHRTBEVAVDFYAFSYTYDL 388  
QY 361 AAGVGLIDAEKGSLLVGDPEIAAKYVCRTLETPOQSPSCMDLTYVSLILOEFGFPRS 420

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Db 389 AAGVGLIDAEKGS:LVVDDEFEIAKYCRITLETQPOSSPFCMDLTYVSLLOEFGFPRS 448
Qy 421 KYLTKRKIDNVEISMALGAIFFHYIDSINROKSPAS 456
Db 449 KYLTKRKIDNVEISMALGAIFFHYIDSINROKSPAS 484

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## RESULT 4

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US-09-557-800C-27
; Sequence 27, Application US/09557800C
; Patent No. 6476211
; GENERAL INFORMATION:
; APPLICANT: Ford, John
; APPLICANT: Mulero, Julio
; APPLICANT: Yeung, George
; TITLE OF INVENTION: Methods and Materials Relating to CD39-Like
; TITLE OF INVENTION: Polypeptides
; FILE REFERENCE: 28110/36457
; CURRENT APPLICATION NUMBER: US/09/557,800C
; PRIOR FILING DATE: 2000-04-25
; PRIOR APPLICATION NUMBER: 09/481,238
; PRIOR FILING DATE: 2000-01-11
; PRIOR APPLICATION NUMBER: 09/370,265
; PRIOR FILING DATE: 1999-08-09
; PRIOR APPLICATION NUMBER: PCT/US99/16180
; PRIOR FILING DATE: 1999-07-16
; PRIOR APPLICATION NUMBER: 09/350836
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: 09/273447
; PRIOR FILING DATE: 1999-03-19
; PRIOR APPLICATION NUMBER: 09/122449
; PRIOR FILING DATE: 1998-07-24
; PRIOR APPLICATION NUMBER: 09/244444
; PRIOR FILING DATE: 1999-02-04
; PRIOR APPLICATION NUMBER: 09/118,205
; PRIOR FILING DATE: 1998-07-16
; NUMBER OF SEQ ID NOS: 56
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 27
; LENGTH: 484
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-557-800C-27

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Query Match 100.0%; Score 2364; DB 4; Length 484;

Best Local Similarity 100.0%; Pred. No. 6,4e-240; Indels 0; Gaps 0;

Matches 456; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy 1 MKISNHSIRVAKAYAPLGLCVGFIVAYIKMHRATATQAFPSITRAAPGARWQQA 60
Db 29 MKISNHSIRVAKAYAPLGLCVGFIVAYIKMHRATATQAFPSITRAAPGARWQQA 88
Qy 61 SPLGTADGHEVFGYIMFDAGSTGRVHVQFTPRPREPTLTHTETFAVKPGLSAYAD 120
Db 89 SPLGTADGHEVFGYIMFDAGSTGRVHVQFTPRPREPTLTHTETFAVKPGLSAYAD 148
Qy 121 VEKSAOGIRELLDVAKODIPDFWKATPLVLTATGRLPGEKAQKLLQKVEVFAS 180
Db 149 VEKSAOGIRELLDVAKODIPDFWKATPLVLTATGRLPGEKAQKLLQKVEVFAS 208
Qy 181 FLVGDCCVSINMGDEGSAMITINFLTGSILKTPGSSVGMULDIGGSTQIAFLPRVEGT 240
Db 209 FLVGDCCVSINMGDEGSAMITINFLTGSILKTPGSSVGMULDIGGSTQIAFLPRVEGT 268
Qy 241 LQASPPGYLTALRMENRTYKLYSYLGLGMSARLILGGVGGQPAKDGKELVSPCLSP 300
Db 269 LQASPPGYLTALRMENRTYKLYSYLGLGMSARLILGGVGGQPAKDGKELVSPCLSP 328
Qy 301 SFKGEWHAETVYRVSGQKAAASLHELCAARVSEVLQNRVHRTTEVKHVDFFAFSYYYDL 360
Db 329 SFKGEWHAETVYRVSGQKAAASLHELCAARVSEVLQNRVHRTTEVKHVDFFAFSYYYDL 388

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Qy 361 AAGVGLIDAEKGS:LVVDDEFEIAKYCRITLETQPOSSPFCMDLTYVSLLOEFGFPRS 420
Db 389 AAGVGLIDAEKGS:LVVDDEFEIAKYCRITLETQPOSSPFCMDLTYVSLLOEFGFPRS 448
Qy 421 KYLTKRKIDNVEISMALGAIFFHYIDSINROKSPAS 456
Db 449 KYLTKRKIDNVEISMALGAIFFHYIDSINROKSPAS 484

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## RESULT 5

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US-09-370-625A-27
; Sequence 27, Application US/09370625A
; Patent No. 660032
; GENERAL INFORMATION:
; APPLICANT: Ford, John
; APPLICANT: Mulero, Julio
; APPLICANT: Yeung, George
; TITLE OF INVENTION: METHODS AND MATERIALS RELATING TO NOVEL CD39-LIKE POLYPEPTIDES
; FILE REFERENCE: 28110/35998
; CURRENT APPLICATION NUMBER: US/09/370,625A
; PRIOR FILING DATE: 1999-08-09
; PRIOR APPLICATION NUMBER: PCT/US99/16180
; PRIOR FILING DATE: 1999-07-16
; PRIOR APPLICATION NUMBER: 09/350,836
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: 09/273,447
; PRIOR FILING DATE: 1999-03-19
; NUMBER OF SEQ ID NOS: 39
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 27
; LENGTH: 484
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-370-625A-27

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Query Match 100.0%; Score 2364; DB 4; Length 484;

Best Local Similarity 100.0%; Pred. No. 6,4e-240; Indels 0; Gaps 0;

Matches 456; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy 1 MKISNHSIRVAKAYAPLGLCVGFIVAYIKMHRATATQAFPSITRAAPGARWQQA 60
Db 29 MKISNHSIRVAKAYAPLGLCVGFIVAYIKMHRATATQAFPSITRAAPGARWQQA 88
Qy 61 SPLGTADGHEVFGYIMFDAGSTGRVHVQFTPRPREPTLTHTETFAVKPGLSAYAD 120
Db 89 SPLGTADGHEVFGYIMFDAGSTGRVHVQFTPRPREPTLTHTETFAVKPGLSAYAD 148
Qy 121 VEKSAOGIRELLDVAKODIPDFWKATPLVLTATGRLPGEKAQKLLQKVEVFAS 180
Db 149 VEKSAOGIRELLDVAKODIPDFWKATPLVLTATGRLPGEKAQKLLQKVEVFAS 208
Qy 181 FLVGDCCVSINMGDEGSAMITINFLTGSILKTPGSSVGMULDIGGSTQIAFLPRVEGT 240
Db 209 FLVGDCCVSINMGDEGSAMITINFLTGSILKTPGSSVGMULDIGGSTQIAFLPRVEGT 268
Qy 241 LQASPPGYLTALRMENRTYKLYSYLGLGMSARLILGGVGGQPAKDGKELVSPCLSP 300
Db 269 LQASPPGYLTALRMENRTYKLYSYLGLGMSARLILGGVGGQPAKDGKELVSPCLSP 328
Qy 301 SFKGEWHAETVYRVSGQKAAASLHELCAARVSEVLQNRVHRTTEVKHVDFFAFSYYYDL 360
Db 329 SFKGEWHAETVYRVSGQKAAASLHELCAARVSEVLQNRVHRTTEVKHVDFFAFSYYYDL 388
Qy 361 AAGVGLIDAEKGS:LVVDDEFEIAKYCRITLETQPOSSPFCMDLTYVSLLOEFGFPRS 420
Db 389 AAGVGLIDAEKGS:LVVDDEFEIAKYCRITLETQPOSSPFCMDLTYVSLLOEFGFPRS 448
Qy 421 KYLTKRKIDNVEISMALGAIFFHYIDSINROKSPAS 456
Db 449 KYLTKRKIDNVEISMALGAIFFHYIDSINROKSPAS 484

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RESULT 6

US-09-608-285A-60

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/ Sequence 60, Application US/09608285A
/ Patent No. 6335013
/ GENERAL INFORMATION:
/ APPLICANT: Ford, John
/ APPLICANT: Mulero, Julio
/ APPLICANT: Yeung, George
/ TITLE OF INVENTION: METHODS AND MATERIALS RELATING TO CD39-LIKE
/ FILE REFERENCE: 28110/36570
/ CURRENT APPLICATION NUMBER: US/09/608,285A
/ PRIOR FILING DATE: 2000-06-30
/ PRIOR APPLICATION NUMBER: 09/583,231
/ PRIOR FILING DATE: 2000-05-26
/ PRIOR APPLICATION NUMBER: 09/557,800
/ PRIOR FILING DATE: 2000-04-25
/ PRIOR APPLICATION NUMBER: 09/481,238
/ PRIOR FILING DATE: 2000-01-11
/ PRIOR APPLICATION NUMBER: 09/370,265
/ PRIOR FILING DATE: 1999-08-09
/ PRIOR APPLICATION NUMBER: PCT/US99/16180
/ PRIOR FILING DATE: 1999-07-16
/ PRIOR APPLICATION NUMBER: 09/350,836
/ PRIOR FILING DATE: 1999-07-09
/ PRIOR APPLICATION NUMBER: 09/273,447
/ PRIOR FILING DATE: 1999-03-19
/ PRIOR APPLICATION NUMBER: 09/244,444
/ PRIOR FILING DATE: 1999-02-04
/ PRIOR APPLICATION NUMBER: 09/122,449
/ PRIOR FILING DATE: 1998-07-24
/ PRIOR APPLICATION NUMBER: 09/118,205
/ PRIOR FILING DATE: 1998-07-16
/ NUMBER OF SEQ ID NOS: 60
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 60
/ LENGTH: 471
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-09-608-285A-60

Query Match      84.7%; Score 2003; DB 4; Length 471;
Best Local Similarity 98.5%; Pred. No. 6.3e-202;
Matches 388; Conservative 1; Mismatches 5; Indels 0; Gaps 0;

QY 1 MRKISNGSLRVAKVAVPLGLCVGFVLYVAYIKMBAATATQAFSITTPAAPGARMCQAH 60
DB 29 MRKISNGSLRVAKVAVPLGLCVGFVLYVAYIKMBAATATQAFSITTPAAPGARMCQAH 88
QY 61 SPUGTADGHEVEFYGMEDAGSTGRVHVFQFTRPPEPTLTTHETPKAVKPGLSAYAD 120
DB 89 SPUGTADGHEVEFYGMEDAGSTGRVHVFQFTRPPEPTLTTHETPKAVKPGLSAYAD 148
QY 121 VEKSAQGIRELDDVAKODIPDFWKATPLVUKATAGIRLLPGEKAQKLQKXVEFKASP 180
DB 149 VEKSAQGIRELDDVAKODIPDFWKATPLVUKATAGIRLLPGEKAQKLQKXVEFKASP 208
QY 181 FLVDDCVSINNGTDEGVSAWITINPLTGSLSKTPGSSVGMULDIGGSTQIAPLPRVEGT 240
DB 209 FLVDDCVSINNGTDEGVSAWITINPLTGSLSKTPGSSVGMULDIGGSTQIAPLPRVEGT 268
QY 241 LQASPPGYLTALRMFNNTYLYSYSYGLGIMGARLLILGVEGCPAKDGKELVSPCLSP 300
DB 269 LQASPPGYLTALRMFNNTYLYSYSYGLGIMGARLLILGVEGCPAKDGKELVSPCLSP 328
QY 301 SFKGEWEHAETVTVVSGQKAAASLHELCAARVSEVLONRVRTEEVYKVDFTVAFSTYYDL 360
DB 329 SFKGEWEHAETVTVVSGQKAAASLHELCAARVSEVLONRVRTEEVYKVDFTVAFSTYYDL 388
QY 361 AAGVGLIDAEKGSLLVGDPEIAKYVCTLTETQ 394
DB 389 AAGVGLIDAEKGSLLVGDPEIAKYVCTLTETQ 422
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RESULT 7

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US-09-608-285A-3
/ Sequence 3, Application US/09608285A
/ Patent No. 6335013
/ GENERAL INFORMATION:
/ APPLICANT: Ford, John
/ APPLICANT: Mulero, Julio
/ APPLICANT: Yeung, George
/ TITLE OF INVENTION: METHODS AND MATERIALS RELATING TO CD39-LIKE
/ FILE REFERENCE: 28110/36570
/ CURRENT APPLICATION NUMBER: US/09/608,285A
/ PRIOR FILING DATE: 2000-06-30
/ PRIOR APPLICATION NUMBER: 09/583,231
/ PRIOR FILING DATE: 2000-05-26
/ PRIOR APPLICATION NUMBER: 09/557,800
/ PRIOR FILING DATE: 2000-04-25
/ PRIOR APPLICATION NUMBER: 09/481,238
/ PRIOR FILING DATE: 2000-01-11
/ PRIOR APPLICATION NUMBER: 09/370,265
/ PRIOR FILING DATE: 1999-08-09
/ PRIOR APPLICATION NUMBER: PCT/US99/16180
/ PRIOR FILING DATE: 1999-07-16
/ PRIOR APPLICATION NUMBER: 09/350,836
/ PRIOR FILING DATE: 1999-07-09
/ PRIOR APPLICATION NUMBER: 09/273,447
/ PRIOR FILING DATE: 1999-03-19
/ PRIOR APPLICATION NUMBER: 09/244,444
/ PRIOR FILING DATE: 1999-02-04
/ PRIOR APPLICATION NUMBER: 09/122,449
/ PRIOR FILING DATE: 1998-07-24
/ PRIOR APPLICATION NUMBER: 09/118,205
/ PRIOR FILING DATE: 1998-07-16
/ NUMBER OF SEQ ID NOS: 60
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 3
/ LENGTH: 428
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-09-608-285A-3

Query Match      42.3%; Score 999; DB 4; Length 428;
Best Local Similarity 52.4%; Pred. No. 2.8e-96;
Matches 204; Conservative 56; Mismatches 123; Indels 6; Gaps 4;

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DB 40 PINVSA---STLYGIMPDAGSTGRVHVFQFTKMPGQLTLEGEVDSVKPGLSAYVDQ 96
QY 121 VEKSAQGIRELDDVAKODIPDFWKATPLVUKATAGIRLLPGEKAQKLQKXVEFKASP 180
DB 97 PKQGEVTVQGLLEHAKOSIPSHHKKTPVLUKATAGIRLLPGEKAQKLQKXVEFKASP 156
QY 181 FLVDDCVSINNGTDEGVSAWITINPLTGSLSKTPGSSVGMULDIGGSTQIAPLPRVEGT 240
DB 157 FLVPRGSYSIMDGDEGILAWTVNPLTGLHGHRCETVGLTDIGGASTQITFLPQPEKT 216
QY 241 LQASPPGYLTALRMFNNTYLYSYSYGLGIMGARLLILGVEGCPAKDGKELVSPCLSP 300
DB 217 LEQTPRGYLTSEFENFNTYLYSYSYGLGIMGARLLILGVEGCPAKDGKELVSPCLSP 275
QY 301 SFKGEWEHAETVTVVSGQKAAASLHELCAARVSEVLONRVRTEEVYKVDFTVAFSTYYDL 360
DB 276 WLEAEWTFGVKYGYGNGQGEVGFEPVAVLAKVNGKLPQREVRGSGFYAFSTYYDR 335
QY 361 AAGVGLIDAEKGSLLVGDPEIAKYVCTLTETQPOSSPSCMDLTYSILLQE-RGFPR 419
DB 336 AVDTDMIDYKGGILTKXEDFERKAREVCNDINENTSGSPFLCWDLSYITALLKXGDFPAD 395
QY 420 SKVLKTRKIDNVTETSWALGAIFFYIDSL 448
DB 396 STVQLTKKXNIIETGVALGTFFLLQSL 424
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Query Match 42.3%; Score 999; DB 4; Length 428;  
Best Local Similarity 52.4%; Pred. No. 2.8e-96;  
Matches 204; Conservative 56; Mismatches 123; Indels 6; Gaps 4;

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QY 121 VEKSAQIRRELLDVAKODIPDFWKATPVLKATAGRLILPGEKAOXLQKXEVFKASP 180  
DB 97 PKGAEIVQGLLEVAKDISPRSHMKTPVLKATAGRLILPEKAKALLFEVKEIRKSP 156  
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DB 157 FLVPGKSVSINMGDEVSAMITINELTSGKTPGSSVGMULDGGGSIQIAPLPRVEGT 216  
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DB 276 WLEAEWIFGVKYGQYGNQGEVGFECYAEVLRVVGRKLGHOPEEVQSGFYAFSYYYDR 335  
QY 361 AAGVGLDAEKGSLLVVGDEFLIAKVCRTLETPQSSPSCMDLTYSLLIOE-RGFPR 419  
DB 336 AVDTMDIDYERKGLIKVEDPERKAREVCDNLENFTSGSPPLCMDLSTITALKDGGFAD 395  
QY 420 SKVLKTRKIDNVETSWALGAIFFHYDSL 448  
DB 396 STVQLTKKVNNIETGALGATPHLLQSL 424

RESULT 11  
US-09-350-836B-3  
Sequence 3, Application US/09350836B  
Patent No. 6387645  
GENERAL INFORMATION:  
APPLICANT: Ford, John  
APPLICANT: Mulero, Julio  
TITLE OF INVENTION: METHODS AND MATERIALS RELATING TO NOVEL CD39-LIKE  
FILE REFERENCE: 28110/35761  
CURRENT APPLICATION NUMBER: US/09/350,836B  
PRIOR FILING DATE: 1999-07-09  
PRIOR APPLICATION NUMBER: 09/273,447  
PRIOR FILING DATE: 1998-03-19  
PRIOR APPLICATION NUMBER: 09/118,205  
PRIOR FILING DATE: 1998-07-16  
PRIOR APPLICATION NUMBER: 09/122,449  
PRIOR FILING DATE: 1998-07-24  
PRIOR APPLICATION NUMBER: 09/244,444  
PRIOR FILING DATE: 1999-02-04  
NUMBER OF SEQ ID NOS: 23  
SOFTWARE: Patentin Ver. 2.0  
SEQ ID NO 3  
LENGTH: 428  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-350-836B-3

Query Match 42.3%; Score 999; DB 4; Length 428;  
Best Local Similarity 52.4%; Pred. No. 2.8e-96;  
Matches 204; Conservative 56; Mismatches 123; Indels 6; Gaps 4;

QY 62 PLGTADGHEVFYGMFDAGSTGRVHVPOFT-RPRREPPTLTHEFFKAVKGLSAYAD 120  
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DB 157 FLVPGKSVSINMGDEVSAMITINELTSGKTPGSSVGMULDGGGSIQIAPLPRVEGT 216  
QY 241 LQASPPGYLTALRMFNRTYKLSYSYLGIMGSAARLAILGVEGQAPKDELVSPLSP 300  
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QY 301 SFKEWEHAEVTVYRVSQKAAASLHELCAARVSEVLQNRVHRTVEVGHVDFYAFSYYYDL 360  
DB 276 WLEAEWIFGVKYGQYGNQGEVGFECYAEVLRVVGRKLGHOPEEVQSGFYAFSYYYDR 335  
QY 361 AAGVGLDAEKGSLLVVGDEFLIAKVCRTLETPQSSPSCMDLTYSLLIOE-RGFPR 419  
DB 336 AVDTMDIDYERKGLIKVEDPERKAREVCDNLENFTSGSPPLCMDLSTITALKDGGFAD 395  
QY 420 SKVLKTRKIDNVETSWALGAIFFHYDSL 448  
DB 396 STVQLTKKVNNIETGALGATPHLLQSL 424

RESULT 12  
US-09-350-836B-5  
Sequence 5, Application US/09350836B  
Patent No. 6387645  
GENERAL INFORMATION:  
APPLICANT: Ford, John  
APPLICANT: Mulero, Julio  
TITLE OF INVENTION: METHODS AND MATERIALS RELATING TO NOVEL CD39-LIKE  
FILE REFERENCE: 28110/35761  
CURRENT APPLICATION NUMBER: US/09/350,836B  
PRIOR FILING DATE: 1999-07-09  
PRIOR APPLICATION NUMBER: 09/273,447  
PRIOR FILING DATE: 1999-03-19  
PRIOR APPLICATION NUMBER: 09/118,205  
PRIOR FILING DATE: 1998-07-16  
PRIOR APPLICATION NUMBER: 09/122,449  
PRIOR FILING DATE: 1998-07-24  
PRIOR APPLICATION NUMBER: 09/244,444  
PRIOR FILING DATE: 1999-02-04  
NUMBER OF SEQ ID NOS: 23  
SOFTWARE: Patentin Ver. 2.0  
SEQ ID NO 5  
LENGTH: 428  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-350-836B-5

Query Match 42.3%; Score 999; DB 4; Length 428;  
Best Local Similarity 52.4%; Pred. No. 2.8e-96;  
Matches 204; Conservative 56; Mismatches 123; Indels 6; Gaps 4;

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DB 40 PINVSA---STLYGIMFDAGSTGRHVYTFVQKMGQPLILGEVFDVSKGLSAYVQ 96  
QY 121 VEKSAQIRRELLDVAKODIPDFWKATPVLKATAGRLILPGEKAOXLQKXEVFKASP 180  
DB 97 PKGAEIVQGLLEVAKDISPRSHMKTPVLKATAGRLILPEKAKALLFEVKEIRKSP 156  
QY 181 FLVDDQCVSINMGDEVSAMITINELTSGKTPGSSVGMULDGGGSIQIAPLPRVEGT 240  
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QY 241 LQASPPGYLTALRMFNRTYKLSYSYLGIMGSAARLAILGVEGQAPKDELVSPLSP 300  
DB 217 LEQTPRGVLTSEMFNSTYKLYTHSYLGFKAKARLATLGALETE-GTDGHTFRSACLPR 275  
QY 301 SFKEWEHAEVTVYRVSQKAAASLHELCAARVSEVLQNRVHRTVEVGHVDFYAFSYYYDL 360  
DB 276 WLEAEWIFGVKYGQYGNQGEVGFECYAEVLRVVGRKLGHOPEEVQSGFYAFSYYYDR 335

QY 361 AAGVGLIDAEKGGSLVVDPEIAKVCRTLETOPOSSPFCMDLTVVSLLOE-FCGPR 419  
 Db 336 AVDTMDIDYERKGGILKVEDERKAREVCNLENFTSGSPFLCMLDSYITALKDGFGFAD 395  
 QY 420 SKVLKLTIRKIDNVTETSWALGAIFFHYIDSL 448  
 Db 396 STVLQLTIRKVNNIETGWLALGATFHLLQSL 424

RESULT 13  
 US-09-370-265-3  
 ; Sequence 3, Application US/09370265  
 ; Patent No. 6447771  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ford, John  
 ; APPLICANT: Molero, Julio  
 ; TITLE OF INVENTION: METHODS AND MATERIALS RELATING TO NOVEL CD39-LIKE  
 ; FILE REFERENCE: 28111/35908  
 ; CURRENT APPLICATION NUMBER: US/09/370,265  
 ; EARLIER FILING DATE: 1999-08-09  
 ; EARLIER APPLICATION NUMBER: PCT/US99/16180  
 ; EARLIER FILING DATE: 1999-07-16  
 ; EARLIER APPLICATION NUMBER: 09/350,836  
 ; EARLIER FILING DATE: 1999-07-09  
 ; EARLIER APPLICATION NUMBER: 09/273,447  
 ; EARLIER FILING DATE: 1999-03-19  
 ; EARLIER APPLICATION NUMBER: 09/244,444  
 ; EARLIER FILING DATE: 1999-02-04  
 ; EARLIER APPLICATION NUMBER: 09/122,449  
 ; EARLIER FILING DATE: 1998-07-24  
 ; EARLIER APPLICATION NUMBER: 09/118,205  
 ; EARLIER FILING DATE: 1998-07-16  
 ; NUMBER OF SEQ ID NOS: 37  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO 3  
 ; LENGTH: 428  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-09-370-265-3

Query Match 42.3%; Score 999; DB 4; Length 428;  
 Best Local Similarity 52.4%; Pred. No. 2,8e-96;  
 Matches 204; Conservative 56; Mismatches 123; Indels 6; Gaps 4;

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 Db 40 PINVSA---STLYGIMPDAGSTGRHVIVFVQKMGQPLLEGVFDVSKGLSAFVDQ 96  
 QY 121 VEKSAQGIREFLLDVAKQDIPDFWKATPLVYKATAGRLILGEGAKQLLOKVEVFKASP 180  
 Db 97 PKQGAETVQGLLEVAKDSIPRSHWKTTPVYLKATAGRLILBEHKAKALLFEVKEIFRASP 156  
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RESULT 14  
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 ; Sequence 5, Application US/09370265  
 ; Patent No. 6447771  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ford, John  
 ; APPLICANT: Molero, Julio  
 ; TITLE OF INVENTION: METHODS AND MATERIALS RELATING TO NOVEL CD39-LIKE  
 ; FILE REFERENCE: 28111/35908  
 ; CURRENT APPLICATION NUMBER: US/09/370,265  
 ; EARLIER FILING DATE: 1999-08-09  
 ; EARLIER APPLICATION NUMBER: PCT/US99/16180  
 ; EARLIER FILING DATE: 1999-07-16  
 ; EARLIER APPLICATION NUMBER: 09/350,836  
 ; EARLIER FILING DATE: 1999-07-09  
 ; EARLIER APPLICATION NUMBER: 09/273,447  
 ; EARLIER FILING DATE: 1999-03-19  
 ; EARLIER APPLICATION NUMBER: 09/244,444  
 ; EARLIER FILING DATE: 1999-02-04  
 ; EARLIER APPLICATION NUMBER: 09/122,449  
 ; EARLIER FILING DATE: 1998-07-24  
 ; EARLIER APPLICATION NUMBER: 09/118,205  
 ; EARLIER FILING DATE: 1998-07-16  
 ; NUMBER OF SEQ ID NOS: 37  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO 5  
 ; LENGTH: 428  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-09-370-265-5

Query Match 42.3%; Score 999; DB 4; Length 428;  
 Best Local Similarity 52.4%; Pred. No. 2,8e-96;  
 Matches 204; Conservative 56; Mismatches 123; Indels 6; Gaps 4;

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RESULT 15  
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 ; Sequence 3, Application US/09557800C  
 ; Patent No. 6476211  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ford, John

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APPLICANT: Mulero, Julio
APPLICANT: Yeung, George
TITLE OF INVENTION: Methods and Materials Relating to CD39-Like
FILE REFERENCE: 2810/36457
CURRENT APPLICATION NUMBER: US/09/557,800C
PRIORITY FILING DATE: 2000-04-25
PRIORITY FILING DATE: 2000-01-11
PRIORITY FILING DATE: 2000-01-11
PRIORITY FILING DATE: 1999-08-09
PRIORITY FILING DATE: 1999-08-09
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PRIORITY FILING DATE: 1999-07-16
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PRIORITY FILING DATE: 1999-03-19
PRIORITY FILING DATE: 1998-07-24
PRIORITY FILING DATE: 1998-07-24
PRIORITY FILING DATE: 1999-02-04
PRIORITY FILING DATE: 1999-02-04
PRIORITY FILING DATE: 1998-07-16
NUMBER OF SEQ ID NOS: 56
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 3
LENGTH: 428
TYPE: PRT
ORGANISM: Homo sapiens
US-09-557-800C-3
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Query Match 42.3%; Score 999; DB 4; Length 428;
Best Local Similarity 52.4%; Pred. No. 2.8e-96;
Matches 204; Conservative 56; Mismatches 123; Indels 6; Gaps 4;
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QY 121 VEKSAQIGIRLRLVAVAKODIPFDWKATPLVVKATAGIRLPGKAKOKLQKVEVFKASP 180
DB 97 PKQAEVVGGLLEVADSDIPRSHMKTPVVLKATAGIRLPGKAKALLFEVKEIFRKSP 156
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Job time: 34 secs



GenCore version 5.1.6  
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OM protein - protein search, using sw model

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Total number of hits satisfying chosen parameters: 1295152

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
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Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2364	100.0	484	US-10-092-063-27	Sequence 27, Appl 1
2	2364	100.0	484	US-10-286-926-27	Sequence 27, Appl 1
3	2364	100.0	484	US-10-231-913-123	Sequence 123, Appl 1
4	2361	99.9	484	US-10-231-913-36	Sequence 36, Appl 1
5	2357	99.3	484	US-10-231-913-124	Sequence 124, Appl 1
6	2315	89.5	446	US-10-231-913-38	Sequence 38, Appl 1
7	2063	87.3	455	US-10-231-913-125	Sequence 125, Appl 1
8	1934	82.7	379	US-10-231-913-271	Sequence 271, Appl 1
9	1007	42.6	427	US-10-231-913-126	Sequence 126, Appl 1
10	999	42.3	428	US-10-091-085-3	Sequence 3, Appl 1
11	999	42.3	428	US-10-091-085-5	Sequence 5, Appl 1
12	999	42.3	428	US-10-092-063-3	Sequence 3, Appl 1
13	999	42.3	428	US-10-092-063-5	Sequence 5, Appl 1
14	999	42.3	428	US-10-286-926-3	Sequence 3, Appl 1
15	999	42.3	428	US-10-286-926-5	Sequence 5, Appl 1

16	999	42.3	428	US-10-231-913-127	Sequence 127, Appl 1
17	996	42.1	428	US-10-091-085-7	Sequence 7, Appl 1
18	996	42.1	428	US-10-092-063-7	Sequence 7, Appl 1
19	996	42.1	428	US-10-286-926-7	Sequence 7, Appl 1
20	992	42.0	428	US-10-408-765A-2296	Sequence 2296, Appl 1
21	909	38.5	405	US-10-092-063-25	Sequence 25, Appl 1
22	909	38.5	405	US-10-286-926-25	Sequence 25, Appl 1
23	909	38.5	405	US-10-286-926-25	Sequence 25, Appl 1
24	823	34.8	330	US-09-925-299-876	Sequence 876, Appl 1
25	823	34.8	330	US-09-925-299-876	Sequence 876, Appl 1
26	590.5	25.0	479	US-10-369-493-6447	Sequence 6447, Appl 1
27	525.5	22.2	467	US-09-129-112-19	Sequence 19, Appl 1
28	508.5	21.5	433	US-10-425-114-36762	Sequence 36762, Appl 1
29	508	21.5	456	US-10-369-493-2169	Sequence 2169, Appl 1
30	506	21.4	462	US-09-129-112-2	Sequence 2, Appl 1
31	504	21.3	467	US-10-425-114-45875	Sequence 45875, Appl 1
32	501	21.2	459	US-09-129-112-9	Sequence 9, Appl 1
33	500	21.2	467	US-10-424-599-230158	Sequence 230158, Appl 1
34	498	21.1	518	US-10-369-493-1713	Sequence 1713, Appl 1
35	491	20.8	534	US-10-437-963-13251	Sequence 13251, Appl 1
36	490.5	20.7	443	US-10-425-114-49933	Sequence 49933, Appl 1
37	483	20.4	457	US-10-425-114-51762	Sequence 51762, Appl 1
38	483	20.4	459	US-10-424-599-145076	Sequence 145076, Appl 1
39	478.5	20.2	410	US-10-231-913-272	Sequence 272, Appl 1
40	463	19.6	462	US-09-129-112-15	Sequence 15, Appl 1
41	447	18.9	465	US-10-425-114-37241	Sequence 37241, Appl 1
42	447	18.9	465	US-10-425-114-49932	Sequence 49932, Appl 1
43	445	18.8	605	US-10-369-493-3333	Sequence 3333, Appl 1
44	443	18.7	455	US-10-259-165-286	Sequence 286, Appl 1
45	436.5	18.5	449	US-10-437-963-204232	Sequence 204232, Appl 1

## ALIGNMENTS

RESULT 1  
US-10-092-063-27  
Sequence 27, Application US/10092063  
Publication No. US20020173005A1  
GENERAL INFORMATION:  
APPLICANT: Muleto, John  
TITLE OF INVENTION: METHODS AND MATERIALS RELATING TO NOVEL CD39-LIKE POLYPEPTIDES  
FILE REFERENCE: 28110/35908  
CURRENT APPLICATION NUMBER: US/10/092,063  
PRIORITY FILING DATE: 2002-03-05  
PRIORITY APPLICATION NUMBER: PCT/US99/16180  
PRIORITY FILING DATE: 1999-07-16  
PRIORITY APPLICATION NUMBER: 09/350,836  
PRIORITY FILING DATE: 1999-07-09  
PRIORITY APPLICATION NUMBER: 09/273,447  
PRIORITY FILING DATE: 1999-03-19  
PRIORITY APPLICATION NUMBER: 09/244,444  
PRIORITY FILING DATE: 1999-02-04  
PRIORITY APPLICATION NUMBER: 09/122,449  
PRIORITY FILING DATE: 1998-07-24  
PRIORITY APPLICATION NUMBER: 09/116,205  
PRIORITY FILING DATE: 1998-07-16  
NUMBER OF SEQ ID NOS: 39  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 27  
LENGTH: 484  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-092-063-27  
Query Match 100.0%; Score 2364; DB 13; Length 484;  
Best Local Similarity 100.0%; Pred. No. 1; se-231;  
Matches 456; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
1 MRKISNHSGLRVAKAVYPLGCVGFIVVATIKMHRATATGAFPSITRAFGARMGQAAH 60

Db 29 MRKISNHGSLRVAKVAVPLGLCVGVPIYVAYIKMHRATATQAFPSITRAAPGARWGOQH 88  
Qy 61 SPLGTADGHEVFFVYGINFDAGSTGTRVHVFOFTRPREPTTLTHEFFKAVKPGLSAYAD 120  
Db 89 SPLGTADGHEVFFVYGINFDAGSTGTRVHVFOFTRPREPTTLTHEFFKAVKPGLSAYAD 148  
Qy 121 VEKSAQIGIRELLDVAKODIPDFWKATPLVLKATAGRLPGEKAQKLQKVEVKASP 180  
Db 149 VEKSAQIGIRELLDVAKODIPDFWKATPLVLKATAGRLPGEKAQKLQKVEVKASP 208  
Qy 181 FLVGDGCVSIMGNDGEGVSAMITINPLTGS�KTGGSSVGMIDLGGSTQIAFLPREVGT 240  
Db 209 FLVGDGCVSIMGNDGEGVSAMITINPLTGS�KTGGSSVGMIDLGGSTQIAFLPREVGT 268  
Qy 241 LQASPPGYLTALRMFNFTYKLSYSYGLGIMSAKRLAIIIGVEGQPAKDGKELVSPCLSP 300  
Db 269 LQASPPGYLTALRMFNFTYKLSYSYGLGIMSAKRLAIIIGVEGQPAKDGKELVSPCLSP 328  
Qy 301 SFKGEWEHAETVTVRSQKAAASLHELCAARVSEVLQNRVHRTBEVKYVDFYAFSYYYDL 360  
Db 329 SFKGEWEHAETVTVRSQKAAASLHELCAARVSEVLQNRVHRTBEVKYVDFYAFSYYYDL 388  
Qy 361 AAGVGLIDAEKGGSLVGDPEIAKAYVCRTLETQPOSSPSCMDLTVYSLLIQEFGFPRS 420  
Db 389 AAGVGLIDAEKGGSLVGDPEIAKAYVCRTLETQPOSSPSCMDLTVYSLLIQEFGFPRS 448  
Qy 421 KVLKTRKIDNVTSMALGAIFFHYIDSINRQKSPAS 456  
Db 449 KVLKTRKIDNVTSMALGAIFFHYIDSINRQKSPAS 484

RESULT 2  
US-10-286-926-27  
; Sequence 27, Application US/10286926  
; Publication No. US20030175752A1  
; GENERAL INFORMATION:  
; APPLICANT: Ford, John  
; APPLICANT: Mulero, Julio  
; APPLICANT: Yeung, George  
; TITLE OF INVENTION: Methods and Materials Relating to CD39-Like  
; FILE REFERENCE: 28110/36457CON  
; CURRENT APPLICATION NUMBER: US/10/286,926  
; CURRENT FILING DATE: 2002-11-01  
; PRIOR APPLICATION NUMBER: 09/557,800  
; PRIOR FILING DATE: 2000-04-25  
; PRIOR APPLICATION NUMBER: 09/481,238  
; PRIOR FILING DATE: 2000-01-11  
; PRIOR APPLICATION NUMBER: 09/370,265  
; PRIOR FILING DATE: 1999-08-09  
; PRIOR APPLICATION NUMBER: PCT/US99/16180  
; PRIOR FILING DATE: 1999-07-16  
; PRIOR APPLICATION NUMBER: 09/350836  
; PRIOR FILING DATE: 1999-07-09  
; PRIOR APPLICATION NUMBER: 09/273447  
; PRIOR FILING DATE: 1999-03-19  
; PRIOR APPLICATION NUMBER: 09/122449  
; PRIOR FILING DATE: 1998-07-24  
; PRIOR APPLICATION NUMBER: 09/244444  
; PRIOR FILING DATE: 1999-02-04  
; PRIOR APPLICATION NUMBER: 09/118,205  
; PRIOR FILING DATE: 1998-07-16  
; NUMBER OF SEQ ID NOS: 54  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO: 27  
; LENGTH: 484  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-286-926-27

Query Match 100.0%; Score 2364; DB 14; Length 484;  
Best Local Similarity 100.0%; Pred. No. 1,5e-231;

Matches 456; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 MRKISNHGSLRVAKVAVPLGLCVGVPIYVAYIKMHRATATQAFPSITRAAPGARWGOQH 60  
Db 29 MRKISNHGSLRVAKVAVPLGLCVGVPIYVAYIKMHRATATQAFPSITRAAPGARWGOQH 88  
Qy 61 SPLGTADGHEVFFVYGINFDAGSTGTRVHVFOFTRPREPTTLTHEFFKAVKPGLSAYAD 120  
Db 89 SPLGTADGHEVFFVYGINFDAGSTGTRVHVFOFTRPREPTTLTHEFFKAVKPGLSAYAD 148  
Qy 121 VEKSAQIGIRELLDVAKODIPDFWKATPLVLKATAGRLPGEKAQKLQKVEVKASP 180  
Db 149 VEKSAQIGIRELLDVAKODIPDFWKATPLVLKATAGRLPGEKAQKLQKVEVKASP 208  
Qy 181 FLVGDGCVSIMGNDGEGVSAMITINPLTGS�KTGGSSVGMIDLGGSTQIAFLPREVGT 240  
Db 209 FLVGDGCVSIMGNDGEGVSAMITINPLTGS�KTGGSSVGMIDLGGSTQIAFLPREVGT 268  
Qy 241 LQASPPGYLTALRMFNFTYKLSYSYGLGIMSAKRLAIIIGVEGQPAKDGKELVSPCLSP 300  
Db 269 LQASPPGYLTALRMFNFTYKLSYSYGLGIMSAKRLAIIIGVEGQPAKDGKELVSPCLSP 328  
Qy 301 SFKGEWEHAETVTVRSQKAAASLHELCAARVSEVLQNRVHRTBEVKYVDFYAFSYYYDL 360  
Db 329 SFKGEWEHAETVTVRSQKAAASLHELCAARVSEVLQNRVHRTBEVKYVDFYAFSYYYDL 388  
Qy 361 AAGVGLIDAEKGGSLVGDPEIAKAYVCRTLETQPOSSPSCMDLTVYSLLIQEFGFPRS 420  
Db 389 AAGVGLIDAEKGGSLVGDPEIAKAYVCRTLETQPOSSPSCMDLTVYSLLIQEFGFPRS 448  
Qy 421 KVLKTRKIDNVTSMALGAIFFHYIDSINRQKSPAS 456  
Db 449 KVLKTRKIDNVTSMALGAIFFHYIDSINRQKSPAS 484

RESULT 3  
US-10-231-913-123  
; Sequence 123, Application US/10231913  
; Publication No. US20040005576A1  
; GENERAL INFORMATION:  
; APPLICANT: Guo, Xiaojia S.  
; APPLICANT: Li, Li  
; APPLICANT: Paturajan, Meera  
; APPLICANT: Shinkets, Richard A.  
; APPLICANT: Casman, Stacie U.  
; APPLICANT: Malyankar, Uriel M.  
; APPLICANT: Tchernev, Velizar T.  
; APPLICANT: Vernet, Corine A.  
; APPLICANT: Spytek, Kimberly A.  
; APPLICANT: Shenoy, Suresh G.  
; APPLICANT: Alsobrook II, John P.  
; APPLICANT: Edinger, Schlomit  
; APPLICANT: Peyman, John A.  
; APPLICANT: Stone, David J.  
; APPLICANT: Ellerman, Karen  
; APPLICANT: Gangoli, Bisha A.  
; APPLICANT: Boldog, Ference L.  
; APPLICANT: Colman, Steven D.  
; APPLICANT: Eisen, Andrew U.  
; APPLICANT: Liu, Xiaotong  
; APPLICANT: Padigaru, Muralidhara  
; APPLICANT: Spaderna, Steven K.  
; APPLICANT: Zerhusen, Bryan D.  
; TITLE OF INVENTION: Proteins and Nucleic Acids Encoding Same  
; FILE REFERENCE: 21402-216  
; CURRENT APPLICATION NUMBER: US/10/231,913  
; CURRENT FILING DATE: 2002-08-30  
; PRIOR APPLICATION NUMBER: 60/251,660  
; PRIOR FILING DATE: 2000-12-06  
; PRIOR APPLICATION NUMBER: 60/255,029  
; PRIOR FILING DATE: 2000-12-12  
; PRIOR APPLICATION NUMBER: 60/260,326  
; PRIOR FILING DATE: 2001-01-08

PRIOR APPLICATION NUMBER: 60/263,800  
PRIOR FILING DATE: 2001-01-24  
PRIOR APPLICATION NUMBER: 60/269,942  
PRIOR FILING DATE: 2001-02-20  
PRIOR APPLICATION NUMBER: 60/286,183  
PRIOR FILING DATE: 2001-04-24  
PRIOR APPLICATION NUMBER: 60/313,627  
PRIOR FILING DATE: 2001-08-20  
PRIOR APPLICATION NUMBER: 60/318,712  
PRIOR FILING DATE: 2001-09-12  
NUMBER OF SEQ ID NOS: 292  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 123  
LENGTH: 484  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-231-913-123

Query Match 100.0%; Score 2364; DB 15; Length 484;  
Best Local Similarity 100.0%; Pred. No. 1.5e-231;  
Matches 456; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRKISNHGSLRVAKAYPLGLCGVFITYAYIKMHRATATQAFPSITRAAPGARWGOQH 60  
DB 29 MRKISNHGSLRVAKAYPLGLCGVFITYAYIKMHRATATQAFPSITRAAPGARWGOQH 88  
QY 61 SPLGTADGHEVEFYIGIMFDAGSTGTRVHVFQTRPREPTLTHTETPKAVKPGLSAYADD 120  
DB 89 SPLGTADGHEVEFYIGIMFDAGSTGTRVHVFQTRPREPTLTHTETPKAVKPGLSAYADD 148  
QY 121 VEKSAOGIRELLDVAKODIPDFWKATPLVKATAGRLIPGKXOKLQKVEYFKASP 180  
DB 149 VEKSAOGIRELLDVAKODIPDFWKATPLVKATAGRLIPGKXOKLQKVEYFKASP 208  
QY 181 FLVGGDDCVSINMGTDGVSAMITINFLTGS�KTGGSSVGMLDLGGGSTQIAFLPRVEGT 240  
DB 209 FLVGGDDCVSINMGTDGVSAMITINFLTGS�KTGGSSVGMLDLGGGSTQIAFLPRVEGT 268  
QY 241 LQASPPGYLTALRMNRTYKLYSYSLGLGMSARLALIGVEGQAPADGKEIVSPCLSP 300  
DB 269 LQASPPGYLTALRMNRTYKLYSYSLGLGMSARLALIGVEGQAPADGKEIVSPCLSP 328  
QY 301 SFKGEWEHAETVTRVSGQKAAASLHELCAARVSEVLQNRVHRTBEVKHVDFAFSYYDL 360  
DB 329 SFKGEWEHAETVTRVSGQKAAASLHELCAARVSEVLQNRVHRTBEVKHVDFAFSYYDL 388  
QY 361 AAGVGLIDAEKGGSLVVDGFEIARVYCRLETOPOSSPFCMDLTYVSLILOEFGPFRS 420  
DB 389 AAGVGLIDAEKGGSLVVDGFEIARVYCRLETOPOSSPFCMDLTYVSLILOEFGPFRS 448  
QY 421 KVLKLRKIDNVETSMALGAIFHYIDSLNRQKSPAS 456  
DB 449 KVLKLRKIDNVETSMALGAIFHYIDSLNRQKSPAS 484

RESULT 4  
US-10-231-913-36  
Sequence 36, Application US/10231913  
Publication No. US20040005576A1  
GENERAL INFORMATION:  
APPLICANT: Guo, Xiaojia S.  
APPLICANT: Li, Li  
APPLICANT: Patturajan, Meera  
APPLICANT: Shimbets, Richard A.  
APPLICANT: Caeman, Stacie U.  
APPLICANT: Malyankar, Uziel M.  
APPLICANT: Tcherenev, Vellizar T.  
APPLICANT: Verne, Corine A.  
APPLICANT: Spytek, Kimberly A.  
APPLICANT: Shenoy, Suresh G.  
APPLICANT: Alsobrook II, John P.  
APPLICANT: Edinger, Schlomit  
APPLICANT: Peyman, John A.

APPLICANT: Stone, David J.  
APPLICANT: Ellerman, Karen  
APPLICANT: Gangolli, Esha A.  
APPLICANT: Boidog, Ference J.  
APPLICANT: Colman, Steven D.  
APPLICANT: Eissen, Andrew J.  
APPLICANT: Liu, Xiaohong  
APPLICANT: Padigaru, Muralidhara  
APPLICANT: Spaderna, Steven K.  
APPLICANT: Zethuesen, Bryan D.  
TITLE OF INVENTION: Proteins and Nucleic Acids Encoding Same  
FILE REFERENCE: 21402-216  
CURRENT APPLICATION NUMBER: US/10/231,913  
PRIOR FILING DATE: 2002-08-30  
PRIOR APPLICATION NUMBER: 60/251,660  
PRIOR FILING DATE: 2000-12-06  
PRIOR APPLICATION NUMBER: 60/255,029  
PRIOR FILING DATE: 2000-12-12  
PRIOR APPLICATION NUMBER: 60/260,326  
PRIOR FILING DATE: 2001-01-08  
PRIOR APPLICATION NUMBER: 60/263,800  
PRIOR FILING DATE: 2001-01-24  
PRIOR APPLICATION NUMBER: 60/269,942  
PRIOR FILING DATE: 2001-02-20  
PRIOR APPLICATION NUMBER: 60/286,183  
PRIOR FILING DATE: 2001-04-24  
PRIOR APPLICATION NUMBER: 60/313,627  
PRIOR FILING DATE: 2001-08-20  
PRIOR APPLICATION NUMBER: 60/318,712  
NUMBER OF SEQ ID NOS: 292  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 36  
LENGTH: 467  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-231-913-36

Query Match 99.9%; Score 2361; DB 15; Length 467;  
Best Local Similarity 99.8%; Pred. No. 2.9e-231;  
Matches 455; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRKISNHGSLRVAKAYPLGLCGVFITYAYIKMHRATATQAFPSITRAAPGARWGOQH 60  
DB 12 MRKISNHGSLRVAKAYPLGLCGVFITYAYIKMHRATATQAFPSITRAAPGARWGOQH 71  
QY 61 SPLGTADGHEVEFYIGIMFDAGSTGTRVHVFQTRPREPTLTHTETPKAVKPGLSAYADD 120  
DB 72 SPLGTADGHEVEFYIGIMFDAGSTGTRVHVFQTRPREPTLTHTETPKAVKPGLSAYADD 131  
QY 121 VEKSAOGIRELLDVAKODIPDFWKATPLVKATAGRLIPGKXOKLQKVEYFKASP 180  
DB 132 VEKSAOGIRELLDVAKODIPDFWKATPLVKATAGRLIPGKXOKLQKVEYFKASP 191  
QY 181 FLVGGDDCVSINMGTDGVSAMITINFLTGS�KTGGSSVGMLDLGGGSTQIAFLPRVEGT 240  
DB 192 FLVGGDDCVSINMGTDGVSAMITINFLTGS�KTGGSSVGMLDLGGGSTQIAFLPRVEGT 251  
QY 241 LQASPPGYLTALRMNRTYKLYSYSLGLGMSARLALIGVEGQAPADGKEIVSPCLSP 300  
DB 252 LQASPPGYLTALRMNRTYKLYSYSLGLGMSARLALIGVEGQAPADGKEIVSPCLSP 311  
QY 301 SFKGEWEHAETVTRVSGQKAAASLHELCAARVSEVLQNRVHRTBEVKHVDFAFSYYDL 360  
DB 312 SFKGEWEHAETVTRVSGQKAAASLHELCAARVSEVLQNRVHRTBEVKHVDFAFSYYDL 371  
QY 361 AAGVGLIDAEKGGSLVVDGFEIARVYCRLETOPOSSPFCMDLTYVSLILOEFGPFRS 420  
DB 372 AAGVGLIDAEKGGSLVVDGFEIARVYCRLETOPOSSPFCMDLTYVSLILOEFGPFRS 431  
QY 421 KVLKLRKIDNVETSMALGAIFHYIDSLNRQKSPAS 456  
DB 432 KVLKLRKIDNVETSMALGAIFHYIDSLNRQKSPAS 467

```
RESULT 5
US-10-231-913-124
; Sequence 124, Application US/10231913
; Publication No. US2004000576A1
; GENERAL INFORMATION:
; APPLICANT: Guo, Xiaojia S.
; APPLICANT: Li, Li
; APPLICANT: Pecturajan, Meera
; APPLICANT: Shimkets, Richard A.
; APPLICANT: Casman, Stacie J.
; APPLICANT: Malyankar, Uriel M.
; APPLICANT: Tchernev, Velizar T.
; APPLICANT: Vermet, Corine A.
; APPLICANT: Spytek, Kimberly A.
; APPLICANT: Shenoy, Suresh G.
; APPLICANT: Alsobrook II, John P.
; APPLICANT: Edinger, Schlomit
; APPLICANT: Peyman, John A.
; APPLICANT: Stone, David J.
; APPLICANT: Billeman, Karen
; APPLICANT: Gangolli, Esha A.
; APPLICANT: Boldog, Ference L.
; APPLICANT: Colman, Steven D.
; APPLICANT: Eisen, Andrew J.
; APPLICANT: Liu, Xiaohong
; APPLICANT: Padigaru, Muralidhara
; APPLICANT: Spaderna, Steven K.
; APPLICANT: Zerhusen, Bryan D.
; TITLE OF INVENTION: Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-216
; CURRENT APPLICATION NUMBER: US/10/231,913
; CURRENT FILING DATE: 2002-08-30
; PRIOR APPLICATION NUMBER: 60/251,660
; PRIOR FILING DATE: 2000-12-06
; PRIOR APPLICATION NUMBER: 60/255,029
; PRIOR FILING DATE: 2000-12-12
; PRIOR APPLICATION NUMBER: 60/260,326
; PRIOR FILING DATE: 2001-01-08
; PRIOR APPLICATION NUMBER: 60/263,800
; PRIOR FILING DATE: 2001-01-24
; PRIOR APPLICATION NUMBER: 60/269,942
; PRIOR FILING DATE: 2001-02-20
; PRIOR APPLICATION NUMBER: 60/286,183
; PRIOR FILING DATE: 2001-04-24
; PRIOR APPLICATION NUMBER: 60/313,627
; PRIOR FILING DATE: 2001-08-20
; PRIOR APPLICATION NUMBER: 60/318,712
; PRIOR FILING DATE: 2001-09-12
; NUMBER OF SEQ ID NOS: 292
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 124
; LENGTH: 484
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-231-913-124

Query Match      99.7%; Score 2357; DB 15; Length 484;
Best Local Similarity 99.6%; Pred. No. 7,9e-231;
Matches 454; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRKISNHSGLRVAKVAVYPLGLCVGFYVAYIKMHRATATQAFSITRAAPGARWQDAH 60
DB 29 MRKISNHSGLRVAKVAVYPLGLCVGFYVAYIKMHRATATQAFSITRAAPGARWQDAH 88
QY 61 SPGLTADDEHVEVYVYGMFDAGSTGTVAVHFOFTPRPREPTLTTHETPAKVKGLSAVYDD 120
DB 89 SPGLTADDEHVEVYVYGMFDAGSTGTVAVHFOFTPRPREPTLTTHETPAKVKGLSAVYDD 148
QY 121 VESAGAGIRELLDVAQDIPDFPWKATPLVLTAKTAGRLTLPGEKAKOKLQKVEYFKASP 180
DB 149 VESAGAGIRELLDVAQDIPDFPWKATPLVLTAKTAGRLTLPGEKAKOKLQKVEYFKASP 208
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QY 181 FLVGDCCVSTNMGDEGVASMTTNTFLTGSIKTPGSSVGMLDLGGASTQIAFLPVEGT 240
DB 209 FLVGDCCVSTNMGDEGVASMTTNTFLTGSIKTPGSSVGMLDLGGASTQIAFLPVEGT 268
QY 241 LQASPPGYLTALRPFNNTYKLSYSYGLGMSARLAILGVBGQPAKDGKELVSPCLSP 300
DB 269 LQASPPGYLTALRPFNNTYKLSYSYGLGMSARLAILGVBGQPAKDGKELVSPCLSP 328
QY 301 SPKGEHAEVTVYVSGQKAASLHELCARVSEVLQNRVHRFEVYVHDFYAFSYTYDL 360
DB 329 SPKGEHAEVTVYVSGQKAASLHELCARVSEVLQNRVHRFEVYVHDFYAFSYTYDL 388
QY 361 AAGVGLDAEKGSGLVVGDEFEIAKVCRTLETQPOSSPSCMDLTYSLLIQEFGPRS 420
DB 389 AAGVGLDAEKGSGLVVGDEFEIAKVCRTLETQPOSSPSCMDLTYSLLIQEFGPRS 448
QY 421 KVLKTRKIDNVTSMALGAI FHYIDSLNFQKSPAS 456
DB 449 KVLKTRKIDNVTSMALGAI FHYIDSLNFQKSPAS 484

RESULT 6
US-10-231-913-38
; Sequence 38, Application US/10231913
; Publication No. US2004000576A1
; GENERAL INFORMATION:
; APPLICANT: Guo, Xiaojia S.
; APPLICANT: Li, Li
; APPLICANT: Pecturajan, Meera
; APPLICANT: Shimkets, Richard A.
; APPLICANT: Casman, Stacie J.
; APPLICANT: Malyankar, Uriel M.
; APPLICANT: Tchernev, Velizar T.
; APPLICANT: Vermet, Corine A.
; APPLICANT: Spytek, Kimberly A.
; APPLICANT: Shenoy, Suresh G.
; APPLICANT: Alsobrook II, John P.
; APPLICANT: Edinger, Schlomit
; APPLICANT: Peyman, John A.
; APPLICANT: Stone, David J.
; APPLICANT: Billeman, Karen
; APPLICANT: Gangolli, Esha A.
; APPLICANT: Boldog, Ference L.
; APPLICANT: Colman, Steven D.
; APPLICANT: Eisen, Andrew J.
; APPLICANT: Liu, Xiaohong
; APPLICANT: Padigaru, Muralidhara
; APPLICANT: Spaderna, Steven K.
; APPLICANT: Zerhusen, Bryan D.
; TITLE OF INVENTION: Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-216
; CURRENT APPLICATION NUMBER: US/10/231,913
; CURRENT FILING DATE: 2002-08-30
; PRIOR APPLICATION NUMBER: 60/251,660
; PRIOR FILING DATE: 2000-12-06
; PRIOR APPLICATION NUMBER: 60/255,029
; PRIOR FILING DATE: 2000-12-12
; PRIOR APPLICATION NUMBER: 60/260,326
; PRIOR FILING DATE: 2001-01-08
; PRIOR APPLICATION NUMBER: 60/263,800
; PRIOR FILING DATE: 2001-01-24
; PRIOR APPLICATION NUMBER: 60/269,942
; PRIOR FILING DATE: 2001-02-20
; PRIOR APPLICATION NUMBER: 60/286,183
; PRIOR FILING DATE: 2001-04-24
; PRIOR APPLICATION NUMBER: 60/313,627
; PRIOR FILING DATE: 2001-08-20
; PRIOR APPLICATION NUMBER: 60/318,712
; PRIOR FILING DATE: 2001-09-12
; NUMBER OF SEQ ID NOS: 292
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 38
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LENGTH: 446  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-231-913-38

Query Match 89.5%; Score 2116; DB 15; Length 446;  
Best Local Similarity 91.0%; Pred. No. 2,5e-206;  
Matches 415; Conservative 1; Mismatches 2; Indels 38; Gaps 1;

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QY 1 MRKSNHSLRVAKVAAPLGLCVGFIVYAIKMRHATATQAFSTTRAPGARWGQAH 60
DB 29 MRKSNHSLRVAV-----ARWGQAH 50
QY 61 SPLGTADGHEVYVGIIMFDAGSTGTVHVFQFTRPREPTLTHETFKAVKPGLSAYAD 120
DB 51 SPLGTADGHEVYVGIIMFDAGSTGTVHVFQFTRPREPTLTHETFKAVKPGLSAYAD 110
QY 121 VEKSAQIRELLDVAKODIPDFWKATPLVKATAGRLLPGRKAQKLLQYKVEFKASP 180
DB 111 VEKSAQIRELLDVAKODIPDFWKATPLVKATAGRLLPGRKAQKLLQYKVEFKASP 170
QY 181 FLVGDCCVSIIMNGTDEGVSAWITINFLTGSLSKTPGSSVGMDLGGSTQIAFLPRVEGT 240
DB 171 FLVGDCCVSIIMNGTDEGVSAWITINFLTGSLSKTPGSSVGMDLGGSTQIAFLPRVEGT 230
QY 241 LQASPPGYLTALRMENRTYKLYSYGLGLGMSARLALIGVEGQPAKDGKELVSPCLSP 300
DB 231 LQASPPGYLTALRMENRTYKLYSYGLGLGMSARLALIGVEGQPAKDGKELVSPCLSP 290
QY 301 SFKGWEHAEVTVYRVSQGAASLHBLCAARVSEVLQNRVHRTVEYKVDFAFSYYDL 360
DB 291 SFKGWEHAEVTVYRVSQGAASLHBLCAARVSEVLQNRVHRTVEYKVDFAFSYYDL 350
QY 361 AAGVGLDAEKGGSLVGDDEFLIAKYVCRTLETQPOSSPFCMDLTYVSLILOEFGFPRS 420
DB 351 AAGVGLDAEKGGSLVGDDEFLIAKYVCRTLETQPOSSPFCMDLTYVSLILOEFGFPRS 410
QY 421 KYLKLTRKIDNVTSMALGALFHYIDSLNRQKSPAS 456
DB 411 KYLKLTRKIDNVTSMALGALFHYIDSLNRQKSPAS 446
```

RESULT 7  
US-10-231-913-125  
Sequence 125, Application US/10231913  
Publication No. US2004000576A1  
GENERAL INFORMATION:

APPLICANT: Guo, Xiaojia S.  
APPLICANT: Li, Li  
APPLICANT: Patuturajan, Meera  
APPLICANT: Shinkets, Richard A.  
APPLICANT: Casman, Stacie J.  
APPLICANT: Malyankar, Uriel M.  
APPLICANT: Tchernyev, Velizar T.  
APPLICANT: Vernet, Corine A.  
APPLICANT: Spytek, Kimberly A.  
APPLICANT: Shenoy, Suresh G.  
APPLICANT: Alsobrook II, John P.  
APPLICANT: Edinger, Schlomit  
APPLICANT: Peyman, John A.  
APPLICANT: Stone, David J.  
APPLICANT: Rilleman, Karen  
APPLICANT: Gangoli, Baha A.  
APPLICANT: Boldog, Ference L.  
APPLICANT: Colman, Steven D.  
APPLICANT: Eisen, Andrew J.  
APPLICANT: Liu, Xiaohong  
APPLICANT: Padigaru, Muralidhara  
APPLICANT: Spaderna, Steven K.  
APPLICANT: Zethusen, Bryan D.  
TITLE OF INVENTION: Proteins and Nucleic Acids Encoding Same  
FILE REFERENCE: 21402-216  
CURRENT APPLICATION NUMBER: US/10/231, 913

CURRENT FILING DATE: 2002-08-30  
PRIOR APPLICATION NUMBER: 60/251,660  
PRIOR FILING DATE: 2000-12-06  
PRIOR APPLICATION NUMBER: 60/255,029  
PRIOR FILING DATE: 2000-12-12  
PRIOR APPLICATION NUMBER: 60/260,326  
PRIOR FILING DATE: 2001-01-08  
PRIOR APPLICATION NUMBER: 60/263,800  
PRIOR FILING DATE: 2001-01-24  
PRIOR APPLICATION NUMBER: 60/269,942  
PRIOR FILING DATE: 2001-02-20  
PRIOR APPLICATION NUMBER: 60/286,183  
PRIOR FILING DATE: 2001-04-24  
PRIOR APPLICATION NUMBER: 60/313,627  
PRIOR FILING DATE: 2001-08-20  
PRIOR APPLICATION NUMBER: 60/318,712  
PRIOR FILING DATE: 2001-09-12  
NUMBER OF SEQ ID NOS: 292  
SOFTWARE: Patent In Ver. 2.1  
SEQ ID NO 125  
LENGTH: 455  
TYPE: PRT  
ORGANISM: Rattus norvegicus  
US-10-231-913-125

Query Match 87.3%; Score 2063.5; DB 15; Length 455;  
Best Local Similarity 86.6%; Pred. No. 5.8e-201;  
Matches 394; Conservative 27; Mismatches 33; Indels 1; Gaps 1;

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QY 1 MRKSNHSLRVAKVAAPLGLCVGFIVYAIKMRHATATQAFSTTRAPGARWGQAH 60
DB 1 MRKSNHSLRVAKVAAPLGLCVGFIVYAIKMRHATATQAFSTTRAPGARWGQAH 60
QY 61 SPLGTADGHEVYVGIIMFDAGSTGTVHVFQFTRPREPTLTHETFKAVKPGLSAYAD 120
DB 61 SPLGTADGHEVYVGIIMFDAGSTGTVHVFQFTRPREPTLTHETFKAVKPGLSAYAD 120
QY 121 VEKSAQIRELLDVAKODIPDFWKATPLVKATAGRLLPGRKAQKLLQYKVEFKASP 180
DB 121 VEKSAQIRELLDVAKODIPDFWKATPLVKATAGRLLPGRKAQKLLQYKVEFKASP 180
QY 181 FLVGDCCVSIIMNGTDEGVSAWITINFLTGSLSKTPGSSVGMDLGGSTQIAFLPRVEGT 240
DB 181 FLVGDCCVSIIMNGTDEGVSAWITINFLTGSLSKTPGSSVGMDLGGSTQIAFLPRVEGT 240
QY 241 LQASPPGYLTALRMENRTYKLYSYGLGLGMSARLALIGVEGQPAKDGKELVSPCLSP 300
DB 241 LQASPPGYLTALRMENRTYKLYSYGLGLGMSARLALIGVEGQPAKDGKELVSPCLSP 300
QY 301 SFKGWEHAEVTVYRVSQGAASLHBLCAARVSEVLQNRVHRTVEYKVDFAFSYYDL 360
DB 301 SFKGWEHAEVTVYRVSQGAASLHBLCAARVSEVLQNRVHRTVEYKVDFAFSYYDL 359
QY 361 AAGVGLDAEKGGSLVGDDEFLIAKYVCRTLETQPOSSPFCMDLTYVSLILOEFGFPRS 420
DB 361 AAGVGLDAEKGGSLVGDDEFLIAKYVCRTLETQPOSSPFCMDLTYVSLILOEFGFPRS 419
QY 421 KYLKLTRKIDNVTSMALGALFHYIDSLNRQKSPAS 455
DB 420 KYLKLTRKIDNVTSMALGALFHYIDSLNRQKSPAS 454
```

RESULT 8  
US-10-231-913-271  
Sequence 271, Application US/10231913  
Publication No. US2004000576A1  
GENERAL INFORMATION:  
APPLICANT: Guo, Xiaojia S.  
APPLICANT: Li, Li  
APPLICANT: Patuturajan, Meera  
APPLICANT: Shinkets, Richard A.  
APPLICANT: Casman, Stacie J.  
APPLICANT: Malyankar, Uriel M.

APPLICANT: Tchernev, Velizar T.  
APPLICANT: Vernet, Corine A.  
APPLICANT: Spytek, Kimberly A.  
APPLICANT: Shenoy, Suresh G.  
APPLICANT: Alsobrook II, John P.  
APPLICANT: Edinger, Schiowitz  
APPLICANT: Peyman, John A.  
APPLICANT: Stone, David J.  
APPLICANT: Ellerman, Karen  
APPLICANT: Ganggoli, Esna A.  
APPLICANT: Boldog, Ference L.  
APPLICANT: Colman, Steven D.  
APPLICANT: Eissen, Andrew J.  
APPLICANT: Liu, Xiaohong  
APPLICANT: Padigaru, Muralidhara  
APPLICANT: Spaderna, Steven K.  
APPLICANT: Zephusen, Bryan D.  
TITLE OF INVENTION: Proteins and Nucleic Acids Encoding Same  
FILE REFERENCE: 21402-216  
CURRENT APPLICATION NUMBER: US/10/231,913  
PRIORITY FILING DATE: 2002-08-30  
PRIORITY APPLICATION NUMBER: 60/251,660  
PRIORITY FILING DATE: 2000-12-06  
PRIORITY APPLICATION NUMBER: 60/255,029  
PRIORITY FILING DATE: 2000-12-12  
PRIORITY APPLICATION NUMBER: 60/260,326  
PRIORITY FILING DATE: 2001-01-08  
PRIORITY APPLICATION NUMBER: 60/263,800  
PRIORITY FILING DATE: 2001-01-24  
PRIORITY APPLICATION NUMBER: 60/269,942  
PRIORITY FILING DATE: 2001-02-20  
PRIORITY APPLICATION NUMBER: 60/286,183  
PRIORITY FILING DATE: 2001-04-24  
PRIORITY APPLICATION NUMBER: 60/313,627  
PRIORITY FILING DATE: 2001-08-20  
PRIORITY APPLICATION NUMBER: 60/318,712  
PRIORITY FILING DATE: 2001-09-12  
NUMBER OF SEQ ID NOS: 292  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 271  
LENGTH: 379  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-231-913-271

Query Match 82.7%; Score 1954; DB 15; Length 379;  
Best Local Similarity 99.7%; Pred. No. 6,3e-190;  
Matches 378; Conservative 1; Mismatches 0; Indels 0; Gaps 0;  
QY 71 EEFYGMFDAGSTGTRVHVFQFTRPPRETPTLTHETFKAVKPGLSAYADVEKSAQGTRE 130  
DB 1 EEFYGMFDAGSTGTRVHVFQFTRPPRETPTLTHETFKAVKPGLSAYADVEKSAQGTRE 60  
QY 131 LLDVAKODIPDFWKATPVLKATAGLRLLPGKAKQLIQKVEFKASPLVGDCCVSI 190  
DB 61 LLDVAKODIPDFWKATPVLKATAGLRLLPGKAKQLIQKVEFKASPLVGDCCVSI 120  
QY 191 MNGTDECVSAMITINFTLSLKTGGSSVGMLDLGGSTQIAFLPRVESTLQASPGYLT 250  
DB 121 MNGTDECVSAMITINFTLSLKTGGSSVGMLDLGGSTQIAFLPRVESTLQASPGYLT 180  
QY 251 ALRMFNRTYKLYSYLGLGMSARLAIIGVEGQPAKDKELVSPCLSPFKGEMERAE 310  
DB 181 ALRMFNRTYKLYSYLGLGMSARLAIIGVEGQPAKDKELVSPCLSPFKGEMERAE 240  
QY 311 VYRVSGQRAASLHLCARVSEUONVHRTPEVKNDFAFSYNYLLAGVGLIDAE 370  
DB 241 VYRVSGQRAASLHLCARVSEUONVHRTPEVKNDFAFSYNYLLAGVGLIDAE 300  
QY 371 KGGSLVVGDFELAKTVCTLETQPOSSPFSQMDLTVVSLILOEFGFPRSKYLKLTREKID 430  
DB 301 KGGSLVVGDFELAKTVCTLETQPOSSPFSQMDLTVVSLILOEFGFPRSKYLKLTREKID 360

QY 431 NVETSMALGALFHYIDSUN 449  
DB 361 NVETSMALGALFHYIDSUN 379

RESULT 9  
US-10-231-913-126  
Sequence 126, Application US/10231913  
Publication No. US20040005576A1  
GENERAL INFORMATION:  
APPLICANT: Guo, Xiaojia S.  
APPLICANT: Li, Li  
APPLICANT: Patturajan, Meera  
APPLICANT: Shimkets, Richard A.  
APPLICANT: Casman, Stacie J.  
APPLICANT: Malyankar, Uriel M.  
APPLICANT: Tchernev, Velizar T.  
APPLICANT: Vernet, Corine A.  
APPLICANT: Spytek, Kimberly A.  
APPLICANT: Shenoy, Suresh G.  
APPLICANT: Alsobrook II, John P.  
APPLICANT: Edinger, Schiowitz  
APPLICANT: Peyman, John A.  
APPLICANT: Stone, David J.  
APPLICANT: Ellerman, Karen  
APPLICANT: Ganggoli, Esna A.  
APPLICANT: Boldog, Ference L.  
APPLICANT: Colman, Steven D.  
APPLICANT: Eissen, Andrew J.  
APPLICANT: Liu, Xiaohong  
APPLICANT: Padigaru, Muralidhara  
APPLICANT: Spaderna, Steven K.  
APPLICANT: Zephusen, Bryan D.  
TITLE OF INVENTION: Proteins and Nucleic Acids Encoding Same  
FILE REFERENCE: 21402-216  
CURRENT APPLICATION NUMBER: US/10/231,913  
PRIORITY FILING DATE: 2002-08-30  
PRIORITY APPLICATION NUMBER: 60/251,660  
PRIORITY FILING DATE: 2000-12-06  
PRIORITY APPLICATION NUMBER: 60/255,029  
PRIORITY FILING DATE: 2000-12-12  
PRIORITY APPLICATION NUMBER: 60/260,326  
PRIORITY FILING DATE: 2001-01-08  
PRIORITY APPLICATION NUMBER: 60/263,800  
PRIORITY FILING DATE: 2001-01-24  
PRIORITY APPLICATION NUMBER: 60/269,942  
PRIORITY FILING DATE: 2001-02-20  
PRIORITY APPLICATION NUMBER: 60/286,183  
PRIORITY FILING DATE: 2001-04-24  
PRIORITY APPLICATION NUMBER: 60/313,627  
PRIORITY FILING DATE: 2001-08-20  
PRIORITY APPLICATION NUMBER: 60/318,712  
PRIORITY FILING DATE: 2001-09-12  
NUMBER OF SEQ ID NOS: 292  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 126  
LENGTH: 427  
TYPE: PRT  
ORGANISM: Mus musculus  
US-10-231-913-126

Query Match 42.6%; Score 1007; DB 15; Length 427;  
Best Local Similarity 50.0%; Pred. No. 2,4e-93;  
Matches 213; Conservative 62; Mismatches 133; Indels 18; Gaps 6;  
QY 37 ATATGATFSTTRAPGA-----RMGQ-----QASPLGTADGHEVFYGMFDAGSTG 84  
DB 2 ATATGATFSTTRAPGA-----RMGQ-----QASPLGTADGHEVFYGMFDAGSTG 58  
QY 85 TRVHVFQFT-RPPRETPTLTHETFKAVKPGLSAYADVEKSAQGTRELLDVAKODIPDFE 143  
DB 59 TRVHVFQFT-RPPRETPTLTHETFKAVKPGLSAYADVEKSAQGTRELLDVAKODIPDFE 118

QY 144 WKATPLYKATAG:RLLPGEKQKLLQKXKVEFKASPFIVGDDCVSINNGETEGVSAMWT 203  
 Db 119 WETTPVVLKATAGRLRLLPEKQKALLLVEHEIRKSPFLVPDGSVSIIMGSEGLIAMWT 178  
 QY 204 INFLTSSLKTPGGSSVGMULDGGSTQIAFLPVSSTLOASPPGYLTALRMNRYKLVS 263  
 Db 179 VNFLLTQHLGRGQETVGTDLGASSTQITFLPQEFKTLBOTPRGYLTSEFMNSTFKLYT 238  
 QY 264 YSVLGLMSARLAIIGVEGQPAKDKELVSPCLSPSKGEMEHAEVRYRSGOAAAS 323  
 Db 239 HSTYGLGLKRAALATLGALEAK-GTDGHTFRSACLPRMBAEMI FCGVXYQIGNOEGEM 297  
 QY 324 LHELCAARYSEVLONRHEVYKXVDPYAFSYYYDLAAGVGLDAKSGSLVWGFELA 383  
 Db 298 GFPPCYAEVLAVVQGLKHQPEEVRGSAFYAFSYYYDRADTHLIDYKGVLKVEDFERK 357  
 QY 384 AKVVCRTLETQPOSSPSCMDLTYVSLLOE-FGFRSKYLKLTAKINDVETSMALGAF 442  
 Db 358 AREVCNMLGSSGSPFLCMLTYITALLKDGFGADGTLLOLTRKVNNIETGMALGATF 417  
 QY 443 HYIDSL 448  
 Db 418 HLLQSL 423

## RESULT 10

US-10-091-085-3

/ Sequence 3, Application US/10091085  
 / Publication No. US20020146772A1  
 / GENERAL INFORMATION:  
 / APPLICANT: Ford, John  
 / APPLICANT: Mulero, Julio  
 / TITLE OF INVENTION: METHODS AND MATERIALS RELATING TO NOVEL CD39-LIKE  
 / FILE REFERENCE: 28110/35761  
 / CURRENT APPLICATION NUMBER: US/10/091,085  
 / CURRENT FILING DATE: 2002-03-05  
 / PRIOR APPLICATION NUMBER: 09/350,836  
 / PRIOR FILING DATE: 1999-07-09  
 / PRIOR APPLICATION NUMBER: 09/273,447  
 / PRIOR FILING DATE: 1999-03-19  
 / PRIOR APPLICATION NUMBER: 09/118,205  
 / PRIOR FILING DATE: 1998-07-16  
 / PRIOR APPLICATION NUMBER: 09/122,449  
 / PRIOR FILING DATE: 1998-07-24  
 / PRIOR APPLICATION NUMBER: 09/244,444  
 / PRIOR FILING DATE: 1999-02-04  
 / NUMBER OF SEQ ID NOS: 23  
 / SOFTWARE: Patentin Ver. 2.0  
 / SEQ ID NO 3  
 / LENGTH: 428  
 / TYPE: PRT  
 / ORGANISM: Homo sapiens  
 / US-10-091-085-3

Query Match 42.3%; Score 999; DB 13; Length 428;  
 Best Local Similarity 52.4%; Pred. No. 1,6e-92;  
 Matches 204; Conservative 56; Mismatches 123; Indels 6; Gaps 4;

QY 62 PLGTADGHEVYGYIMEDAGSTGTRVHVFQFT-RPPRETPTLTHETFKAVKPLSAVADD 120  
 Db 40 PINVSA---STLYGIMFDAGSTGTRIHVYTFVQKMPGQPLILEGEVDSVXPOLSAFVQ 96  
 QY 121 VERKSAQGIREFLDVAKODIPDFWKATPLVKATAGRLRLLPGEKQKLLQKXKVEFKASP 180  
 Db 97 PKQGAETVOGGLIEVAKDISIPRSHMKTPVVLKATAGRLRLLPGEKQKLLQKXKVEFKASP 156  
 QY 181 FLVDDCVSINNGETEGVSAMWTINFLTGSLLKTPGGSSVGMULDGGSTQIAFLPVSST 240  
 Db 157 FLVPGKGSVINDGSEGLIAMVTVNFLTQHLGRHGFETVGTDLGASSTQITFLPQFEXT 216  
 QY 241 LQASPPGYLTALRMNRYKLVSYVYGLGMSARLAIIGVEGQPAKDKELVSPCLSP 300

Db 217 LEQTPRGYLTSEFMNSTYKLYTHSYLGFGLKARLALTGLALETE-GTDGHTFRSACLPR 275  
 QY 301 SFGKEMHAEVLYRVSQKAAASLHELCAARYSEVLONRHYRTEBYKHVDVFAFSYYDL 360  
 Db 276 WLEAWITGVKXYQIGNOEGEVGPEPCYAEVLAVVQGLKHQPEEVRGSAFYAFSYYYDR 335  
 QY 361 AAGVGLDAKSGSLVWGFELIAKXYCRTLETQPOSSPSCMDLTYVSLLOE-FGFRPR 419  
 Db 336 AVDTMDIDYKGVLIKVEDFERKAREVCNMLNENFTSGSPFLCMLSYITALLKDGFGAD 395  
 QY 420 SKYLKLTAKINDVETSMALGAFHYIDSL 448  
 Db 396 STVLQLTRKVNNIETGMALGATFHLQSL 424

## RESULT 11

US-10-091-085-5

/ Sequence 5, Application US/10091085  
 / Publication No. US20020146772A1  
 / GENERAL INFORMATION:  
 / APPLICANT: Ford, John  
 / APPLICANT: Mulero, Julio  
 / TITLE OF INVENTION: METHODS AND MATERIALS RELATING TO NOVEL CD39-LIKE  
 / FILE REFERENCE: 28110/35761  
 / CURRENT APPLICATION NUMBER: US/10/091,085  
 / CURRENT FILING DATE: 2002-03-05  
 / PRIOR APPLICATION NUMBER: 09/350,836  
 / PRIOR FILING DATE: 1999-07-09  
 / PRIOR APPLICATION NUMBER: 09/273,447  
 / PRIOR FILING DATE: 1999-03-19  
 / PRIOR APPLICATION NUMBER: 09/118,205  
 / PRIOR FILING DATE: 1998-07-16  
 / PRIOR APPLICATION NUMBER: 09/122,449  
 / PRIOR FILING DATE: 1998-07-24  
 / PRIOR APPLICATION NUMBER: 09/244,444  
 / PRIOR FILING DATE: 1999-02-04  
 / NUMBER OF SEQ ID NOS: 23  
 / SOFTWARE: Patentin Ver. 2.0  
 / SEQ ID NO 5  
 / LENGTH: 428  
 / TYPE: PRT  
 / ORGANISM: Homo sapiens  
 / US-10-091-085-5

Query Match 42.3%; Score 999; DB 13; Length 428;  
 Best Local Similarity 52.4%; Pred. No. 1,6e-92;  
 Matches 204; Conservative 56; Mismatches 123; Indels 6; Gaps 4;

QY 62 PLGTADGHEVYGYIMEDAGSTGTRVHVFQFT-RPPRETPTLTHETFKAVKPLSAVADD 120  
 Db 40 PINVSA---STLYGIMFDAGSTGTRIHVYTFVQKMPGQPLILEGEVDSVXPOLSAFVQ 96  
 QY 121 VERKSAQGIREFLDVAKODIPDFWKATPLVKATAGRLRLLPGEKQKLLQKXKVEFKASP 180  
 Db 97 PKQGAETVOGGLIEVAKDISIPRSHMKTPVVLKATAGRLRLLPGEKQKLLQKXKVEFKASP 156  
 QY 181 FLVDDCVSINNGETEGVSAMWTINFLTGSLLKTPGGSSVGMULDGGSTQIAFLPVSST 240  
 Db 157 FLVPGKGSVINDGSEGLIAMVTVNFLTQHLGRHGFETVGTDLGASSTQITFLPQFEXT 216  
 QY 241 LQASPPGYLTALRMNRYKLVSYVYGLGMSARLAIIGVEGQPAKDKELVSPCLSP 300  
 Db 217 LEQTPRGYLTSEFMNSTYKLYTHSYLGFGLKARLALTGLALETE-GTDGHTFRSACLPR 275  
 QY 301 SFGKEMHAEVLYRVSQKAAASLHELCAARYSEVLONRHYRTEBYKHVDVFAFSYYDL 360  
 Db 276 WLEAWITGVKXYQIGNOEGEVGPEPCYAEVLAVVQGLKHQPEEVRGSAFYAFSYYYDR 335  
 QY 361 AAGVGLDAKSGSLVWGFELIAKXYCRTLETQPOSSPSCMDLTYVSLLOE-FGFRPR 419  
 Db 336 AVDTMDIDYKGVLIKVEDFERKAREVCNMLNENFTSGSPFLCMLSYITALLKDGFGAD 395

QY 420 SKVLKTRKIDNVTSMALGAIHYIDSL 448  
 Db 396 STVLQTLTKVNNIETGMALGATFHLQSL 424

## RESULT 12

US-10-092-063-3  
 ; Sequence 3, Application US/10092063  
 ; Publication No. US20020173005A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ford, John  
 ; APPLICANT: Mulero, Julio  
 ; TITLE OF INVENTION: METHODS AND MATERIALS RELATING TO NOVEL CD39-LIKE POLYPEPTIDES  
 ; FILE REFERENCE: 28110/35908  
 ; CURRENT APPLICATION NUMBER: US/10/092,063  
 ; PRIOR FILING DATE: 2002-03-05  
 ; PRIOR APPLICATION NUMBER: 09/370,265  
 ; PRIOR FILING DATE: 2002-01-31  
 ; PRIOR APPLICATION NUMBER: PCT/US99/16180  
 ; PRIOR FILING DATE: 1999-07-16  
 ; PRIOR APPLICATION NUMBER: 09/350,836  
 ; PRIOR FILING DATE: 1999-07-09  
 ; PRIOR APPLICATION NUMBER: 09/273,447  
 ; PRIOR FILING DATE: 1999-03-19  
 ; PRIOR APPLICATION NUMBER: 09/244,444  
 ; PRIOR FILING DATE: 1999-02-04  
 ; PRIOR APPLICATION NUMBER: 09/122,449  
 ; PRIOR FILING DATE: 1998-07-24  
 ; PRIOR APPLICATION NUMBER: 09/118,205  
 ; PRIOR FILING DATE: 1998-07-16  
 ; NUMBER OF SEQ ID NOS: 39  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO 3  
 ; LENGTH: 428  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-10-092-063-3

Query Match 42.3%; Score 999; DB 13; Length 428;  
 Best Local Similarity 52.4%; Pred. No. 1.6e-92;  
 Matches 204; Conservative 56; Mismatches 123; Indels 6; Gaps 4;

QY 62 PLGTADGHEVFYGMFDAGSTGTRVHVPOFT-RPREPTLTHETFKAVKPGLSAYAD 120  
 Db 40 PINVSA---STLYGIMFDAGSTGTRIHVYTFVQKMPQDILBGEVVDISKGLSAFVDQ 96  
 QY 121 VEKSAQIRELLDVAKODIPDFWKATPVLKATAGRLILPGEKAKLLQKVEVFKASP 180  
 Db 97 PKQCAETVQGLLEVAKDISPRSHWKTTPVVKATAGRLILPEKAKALLFEVKEIFRKPSP 156  
 QY 181 FLVGDCCVSTINMGTSDEVSAMITINFLTGLSKTPGSSVGMULDGGSGTOIAFLPREVET 240  
 Db 157 FLVPRKGSVSTIMDSDEKILAMVTNPLTQGLHGRQETVTLDDLGASVQITFLPQPEKT 216  
 QY 241 LQASPPGYLTALMFNRTYKLYSYSLGLGMSARLAILGVEGQPAKDGKEIVSPCLSP 300  
 Db 217 LEQTPRGVLTSPFEMFNSTYKLYTHSYLGGFKARLAILGALETE-GTDGHTFRSACLPR 275  
 QY 301 SFKGEWEHAETTVRSQKAAASLHELCAARVSEVLQNRVHRTVEYKAVDFYAFSYTYDL 360  
 Db 276 WLEAEWTFGGVKYQYGNQGEVGFEPDYAEVLRVYRGKLHQBEEVORGSFYAFSYTYDR 335  
 QY 361 AAGVGLDAERKGSLLVGDPELAKYVCRFLETQPSPPSCMDLTVVSLLOE-FGFPR 419  
 Db 336 AVTDMIDYERKGLIKVEDFERKARVCDNLNFTSGSPFLCNDLSYITALLKDGFGFPAD 395  
 QY 420 SKVLKTRKIDNVTSMALGAIHYIDSL 448  
 Db 396 STVLQTLTKVNNIETGMALGATFHLQSL 424

RESULT 13  
 US-10-092-063-5

; Sequence 5, Application US/10092063  
 ; Publication No. US20020173005A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ford, John  
 ; APPLICANT: Mulero, Julio  
 ; TITLE OF INVENTION: METHODS AND MATERIALS RELATING TO NOVEL CD39-LIKE POLYPEPTIDES  
 ; FILE REFERENCE: 28110/35908  
 ; CURRENT APPLICATION NUMBER: US/10/092,063  
 ; PRIOR FILING DATE: 2002-03-05  
 ; PRIOR APPLICATION NUMBER: 09/370,265  
 ; PRIOR FILING DATE: 2002-01-31  
 ; PRIOR APPLICATION NUMBER: PCT/US99/16180  
 ; PRIOR FILING DATE: 1999-07-16  
 ; PRIOR APPLICATION NUMBER: 09/350,836  
 ; PRIOR FILING DATE: 1999-07-09  
 ; PRIOR APPLICATION NUMBER: 09/273,447  
 ; PRIOR FILING DATE: 1999-03-19  
 ; PRIOR APPLICATION NUMBER: 09/244,444  
 ; PRIOR FILING DATE: 1999-02-04  
 ; PRIOR APPLICATION NUMBER: 09/122,449  
 ; PRIOR FILING DATE: 1998-07-24  
 ; PRIOR APPLICATION NUMBER: 09/118,205  
 ; PRIOR FILING DATE: 1998-07-16  
 ; NUMBER OF SEQ ID NOS: 39  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO 5  
 ; LENGTH: 428  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-10-092-063-5

Query Match 42.3%; Score 999; DB 13; Length 428;  
 Best Local Similarity 52.4%; Pred. No. 1.6e-92;  
 Matches 204; Conservative 56; Mismatches 123; Indels 6; Gaps 4;

QY 62 PLGTADGHEVFYGMFDAGSTGTRVHVPOFT-RPREPTLTHETFKAVKPGLSAYAD 120  
 Db 40 PINVSA---STLYGIMFDAGSTGTRIHVYTFVQKMPQDILBGEVVDISKGLSAFVDQ 96  
 QY 121 VEKSAQIRELLDVAKODIPDFWKATPVLKATAGRLILPGEKAKLLQKVEVFKASP 180  
 Db 97 PKQCAETVQGLLEVAKDISPRSHWKTTPVVKATAGRLILPEKAKALLFEVKEIFRKPSP 156  
 QY 181 FLVGDCCVSTINMGTSDEVSAMITINFLTGLSKTPGSSVGMULDGGSGTOIAFLPREVET 240  
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 ; Sequence 3, Application US/10286926  
 ; Publication No. US20030175752A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ford, John  
 ; APPLICANT: Mulero, Julio  
 ; APPLICANT: Yeung, George  
 ; TITLE OF INVENTION: Methods and Materials Relating to CD39-Like



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/ TITLE OF INVENTION: Polypeptides
/ FILE REFERENCE: 28110/36457CON
/ CURRENT APPLICATION NUMBER: US/10/286,926
/ CURRENT FILING DATE: 2002-11-01
/ PRIOR APPLICATION NUMBER: 09/557,800
/ PRIOR FILING DATE: 2000-04-25
/ PRIOR APPLICATION NUMBER: 09/481,238
/ PRIOR FILING DATE: 2000-01-11
/ PRIOR APPLICATION NUMBER: 09/370,265
/ PRIOR FILING DATE: 1999-08-09
/ PRIOR APPLICATION NUMBER: PCT/US99/16180
/ PRIOR FILING DATE: 1999-07-16
/ PRIOR APPLICATION NUMBER: 09/350836
/ PRIOR FILING DATE: 1999-07-09
/ PRIOR APPLICATION NUMBER: 09/273447
/ PRIOR FILING DATE: 1999-03-19
/ PRIOR APPLICATION NUMBER: 09/122449
/ PRIOR FILING DATE: 1998-07-24
/ PRIOR APPLICATION NUMBER: 09/244444
/ PRIOR FILING DATE: 1999-02-04
/ PRIOR APPLICATION NUMBER: 09/118,205
/ PRIOR FILING DATE: 1998-07-16
/ NUMBER OF SEQ ID NOS: 54
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 3
/ LENGTH: 428
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-10-286-926-3
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Best Local Similarity 52.4%; Pred. No. 1.6e-92;
Matches 204; Conservative 56; Mismatches 123; Indels 6; Gaps 4;
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D 97 PKGAETVOGILFEVAKDSIPRSHWKTPTVLTAKATAGIRLLPGEKAQKLQKVEYFKASP 156
QY 181 FLVGDGCVSINMGDEGVSAMITINFLTGLSKTPGSSVGMIDGGSGTOIAPRVVGT 240
D 157 FLVPGKSVSINMGDSDEGILAVTVNFTGLQGHGRQETVGLDGGASTQITFLPQFEKT 216
QY 241 LQASPPGYLTALRMNRTYKLYSYSLGILMSARLALIGVEGQPAKDGKELVSPCLSP 300
D 217 LEQTRGYLTSPFEMFNSTYKLYTHSYLGFGLKAARLALTGLALETE-GTDGHTFRSACLPR 275
QY 301 SFKGEWEAEVYTVRVSQKAAASLHELCAARVSEVLCNRRVHRTBEVYKAVDFVAFSYYYDL 360
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QY 361 AAGVGLIDAEKGSIVVDPEIAKYVCRTLETQPOSSPFCMDLTYVSLLOE-FGPR 419
D 336 AVDTMDIDYKGLIKVEDFERKARVCDNLNFTSGSPFLCMDLSYITALLKDGFGFAD 395
QY 420 SKVLKTRKINDVETSMALGAIIFYIDSL 448
D 396 STVLQLTCKVNNIETGMALGATFHLQSL 424
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RESULT 15
US-10-286-926-5
/ Sequence 5, Application US/10286926
/ Publication No. US200301752A1
/ GENERAL INFORMATION:
/ APPLICANT: Ford, John
/ APPLICANT: Mulero, Julio
/ APPLICANT: Yeung, George
/ TITLE OF INVENTION: Methods and Materials Relating to CD39-like
/ TITLE OF INVENTION: Polypeptides
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/ FILE REFERENCE: 28110/36457CON
/ CURRENT APPLICATION NUMBER: US/10/286,926
/ CURRENT FILING DATE: 2002-11-01
/ PRIOR APPLICATION NUMBER: 09/557,800
/ PRIOR FILING DATE: 2000-04-25
/ PRIOR APPLICATION NUMBER: 09/481,238
/ PRIOR FILING DATE: 2000-01-11
/ PRIOR APPLICATION NUMBER: 09/370,265
/ PRIOR FILING DATE: 1999-08-09
/ PRIOR APPLICATION NUMBER: PCT/US99/16180
/ PRIOR FILING DATE: 1999-07-16
/ PRIOR APPLICATION NUMBER: 09/350836
/ PRIOR FILING DATE: 1999-07-09
/ PRIOR APPLICATION NUMBER: 09/273447
/ PRIOR FILING DATE: 1999-03-19
/ PRIOR APPLICATION NUMBER: 09/122449
/ PRIOR FILING DATE: 1998-07-24
/ PRIOR APPLICATION NUMBER: 09/244444
/ PRIOR FILING DATE: 1999-02-04
/ PRIOR APPLICATION NUMBER: 09/118,205
/ PRIOR FILING DATE: 1998-07-16
/ NUMBER OF SEQ ID NOS: 54
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 5
/ LENGTH: 428
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-10-286-926-5
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Query Match 42.3%; Score 999; DB 14; Length 428;
Best Local Similarity 52.4%; Pred. No. 1.6e-92;
Matches 204; Conservative 56; Mismatches 123; Indels 6; Gaps 4;
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QY 62 PLGTADGHEVEYGMFDAGSTGTRVHVFQFT-RPPREPTLTHETFKAVKPGLSAYADD 120
D 40 PLNSA---STIVGIMFDAGSTGTRIVHYTFVQKMPGQPLILGGEVFSVKGPSAFVQ 96
QY 121 VEKSAQGIREDLVAKODIPDFWKATPLVLTAKATAGIRLLPGEKAQKLQKVEYFKASP 180
D 97 PKGAETVOGILFEVAKDSIPRSHWKTPTVLTAKATAGIRLLPGEKAQKLQKVEYFKASP 156
QY 181 FLVGDGCVSINMGDEGVSAMITINFLTGLSKTPGSSVGMIDGGSGTOIAPRVVGT 240
D 157 FLVPGKSVSINMGDSDEGILAVTVNFTGLQGHGRQETVGLDGGASTQITFLPQFEKT 216
QY 241 LQASPPGYLTALRMNRTYKLYSYSLGILMSARLALIGVEGQPAKDGKELVSPCLSP 300
D 217 LEQTRGYLTSPFEMFNSTYKLYTHSYLGFGLKAARLALTGLALETE-GTDGHTFRSACLPR 275
QY 301 SFKGEWEAEVYTVRVSQKAAASLHELCAARVSEVLCNRRVHRTBEVYKAVDFVAFSYYYDL 360
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